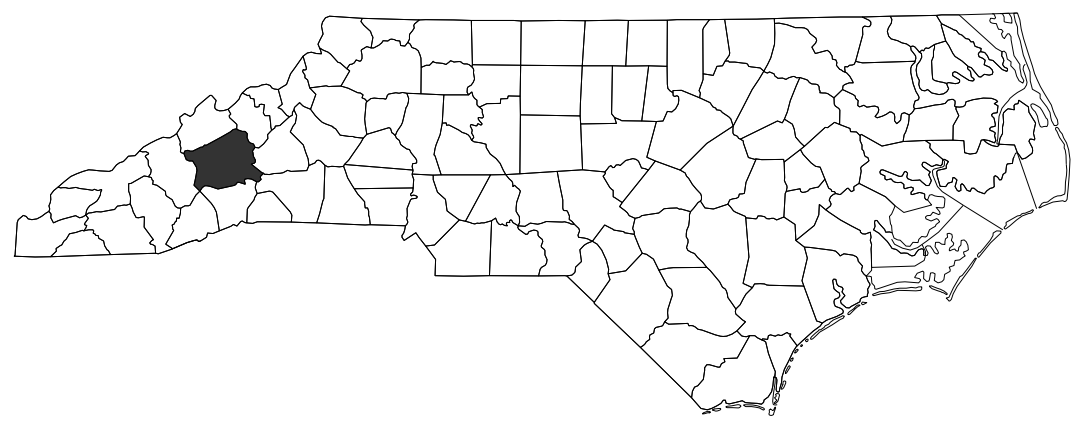


CONTRACT: DM00496 BRIDGE PROJECT: DF18313.2011192.PR / DF18313.2011359.PR



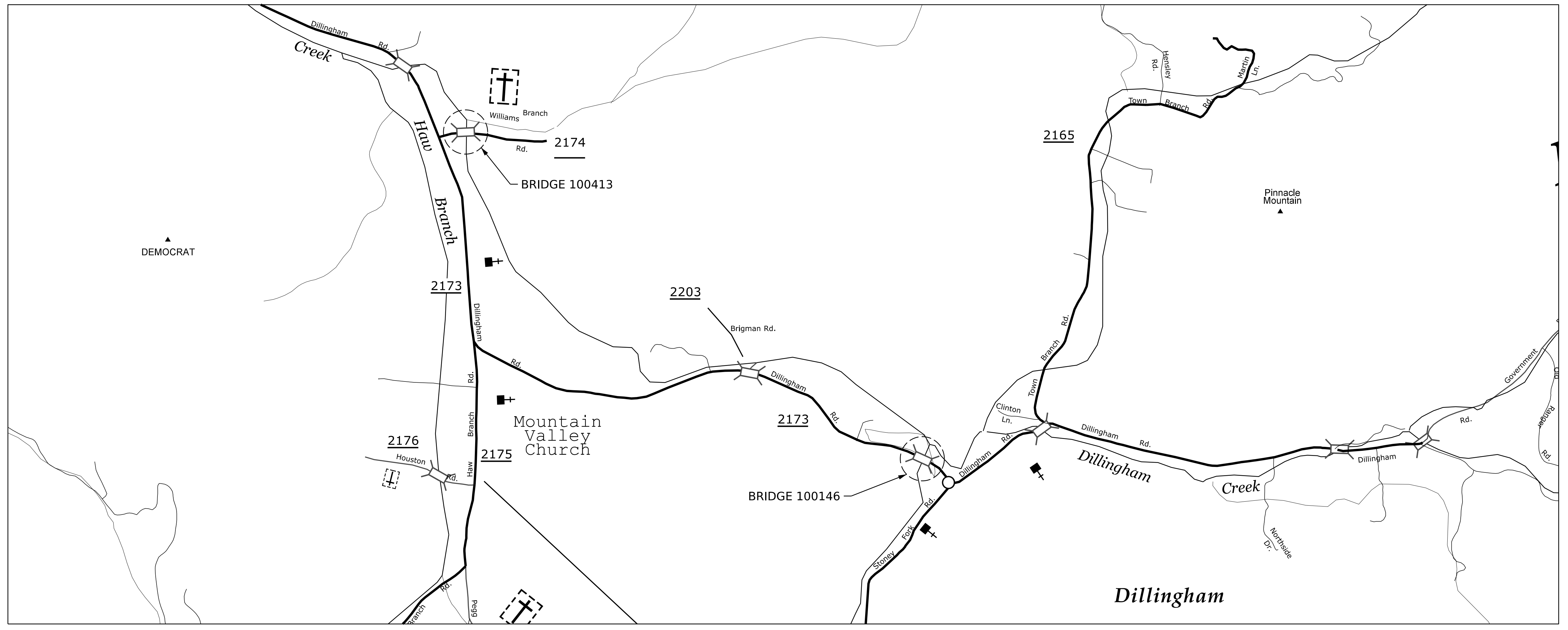
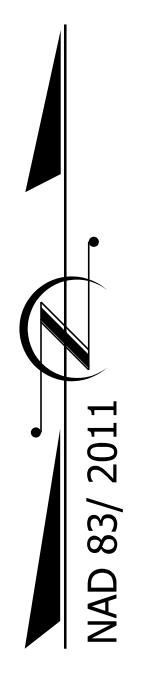
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

LOCATION: *REPAIR BRIDGE #100413 ON SR 2174 OVER DILLINGHAM CREEK*
REPAIR BRIDGE #100146 ON SR 2173 OVER STONY FORK CREEK

TYPE OF WORK: *STRUCTURE REPAIRS*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2011192.PR DF18313.2011359.PR		
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
DF18313.2011192.PR	N/A	BRIDGE 100413	
DF18313.2011359.PR	N/A	BRIDGE 100146	



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**DESIGN DATA
BRIDGE 100413**

ADT 2004 = < 100
ADT 2040 = 180

V = < 20 MPH
* TTST = DUAL
FUNC CLASS = RURAL LOCAL

**DESIGN DATA
BRIDGE 100146**

ADT 2021 = 1100
ADT 2040 = 2000

V = 45 MPH
* TTST = DUAL
FUNC CLASS = RURAL
MINOR COLLECTOR

PROJECT LENGTH

PROJECT LENGTH FOR BRIDGE 100413 = 0.027 MILES
PROJECT LENGTH FOR BRIDGE 100146 = 0.023 MILES

NCDOT Contact: JOEL M. DAVIS
Prepared in the Office of:

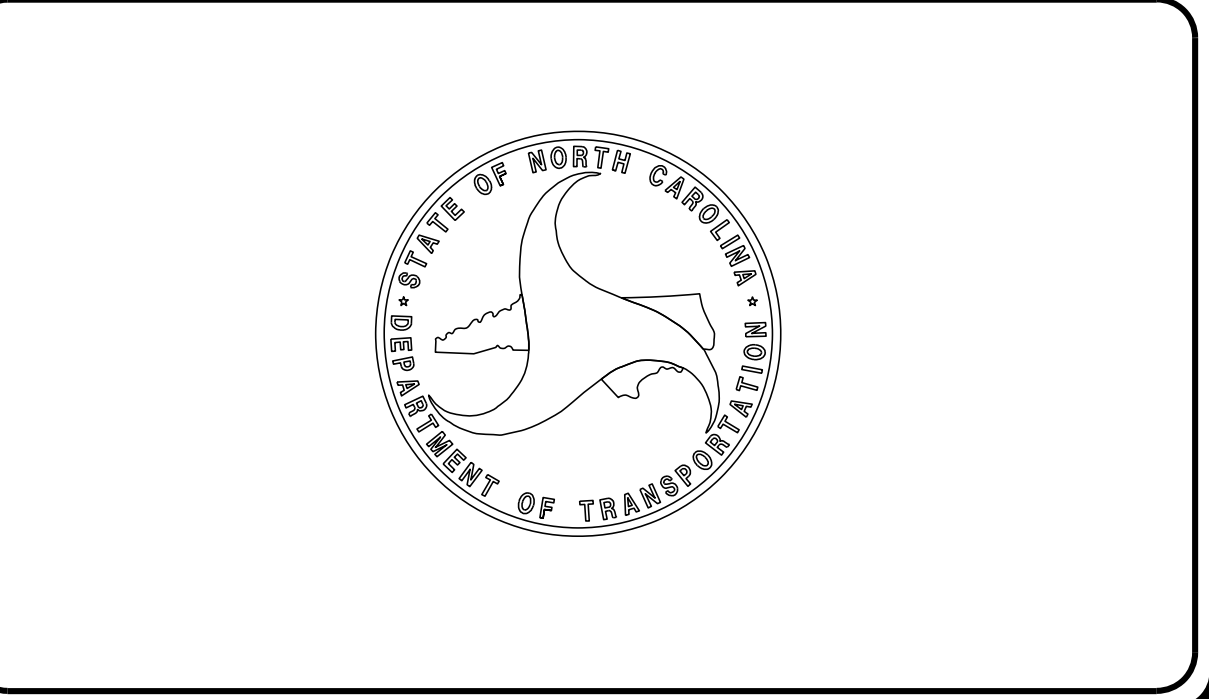
VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27605

W. KEVIN FISCHER, PE
PROJECT ENGINEER

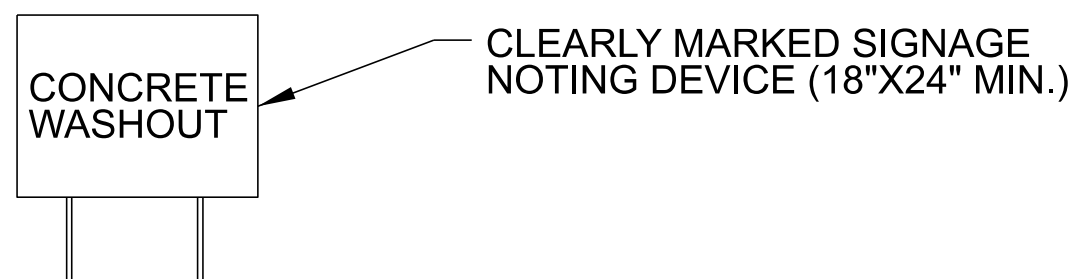
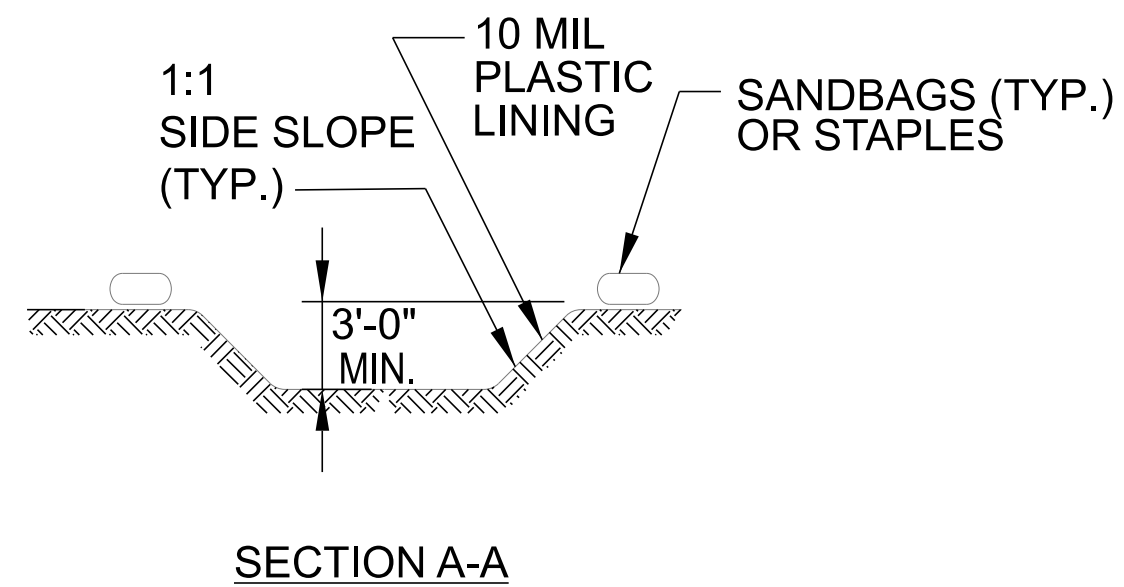
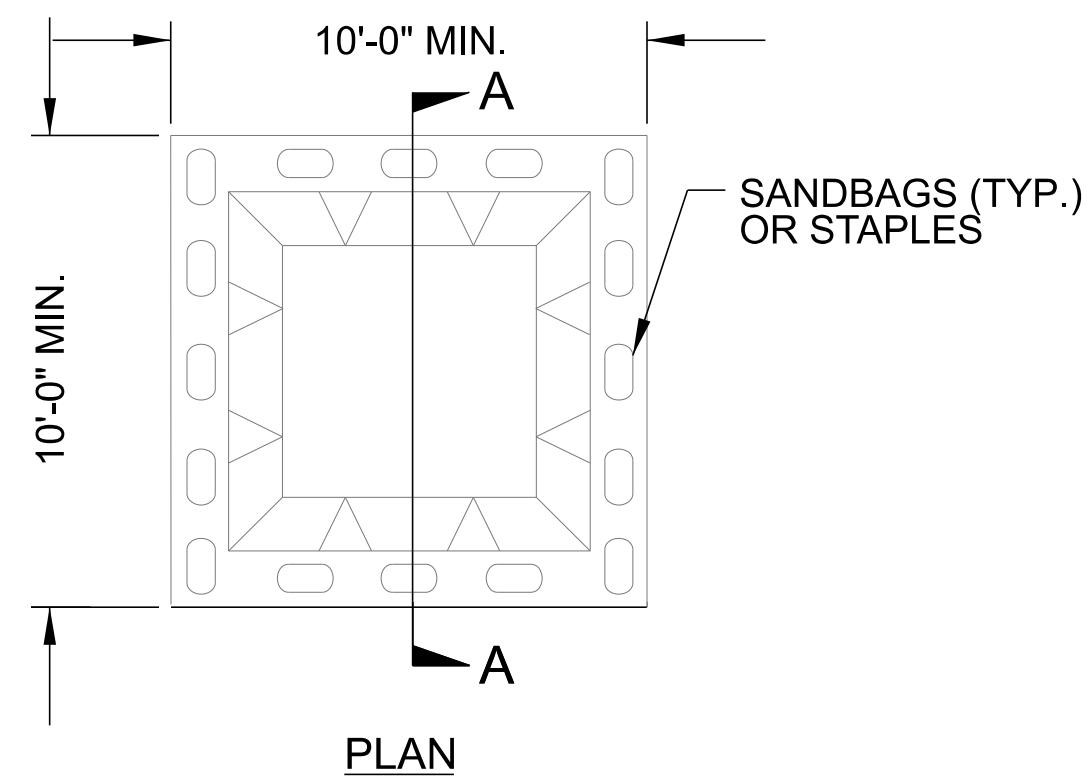
LETTING DATE:
DECEMBER 17, 2025

STRUCTURES ENGINEER

Signed by:
Jeffrey C. Wilson
SCA73409058488
11/18/2025
JEFFREY C. WILSON, PE
SIGNATURE:

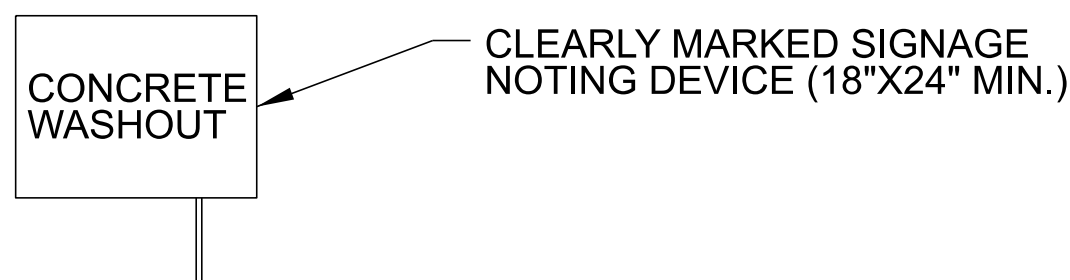
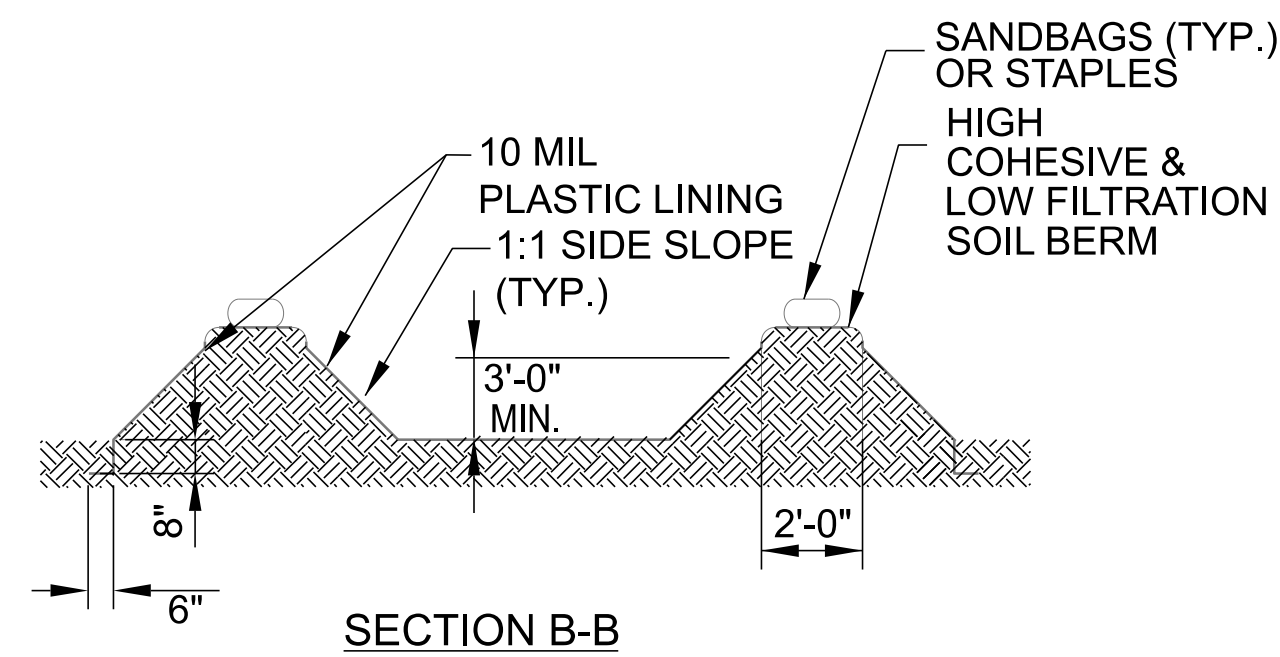
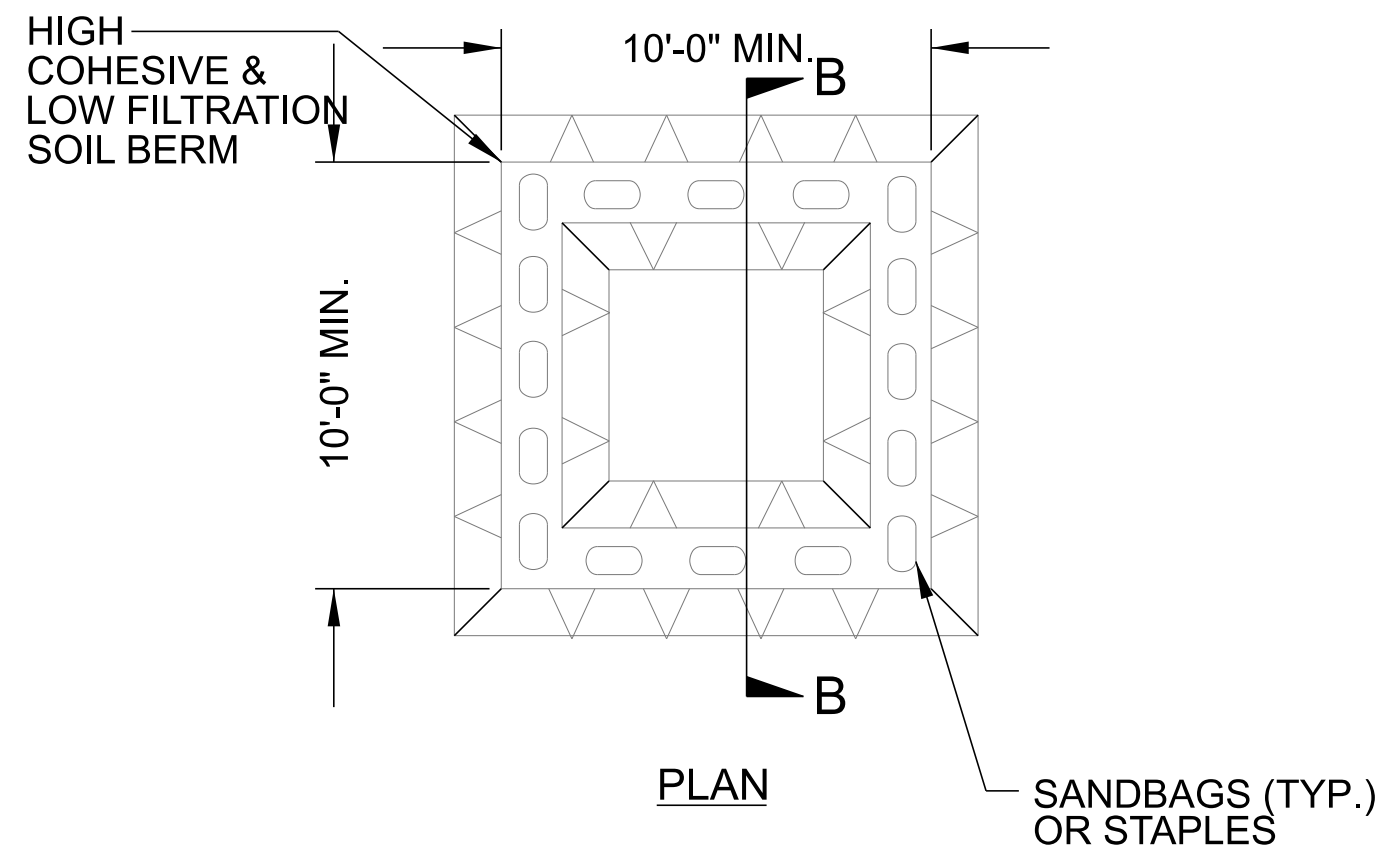


ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

DF18313.2011192.PR
PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
STATION: _____

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO.
EROSION CONTROL WASHOUT DETAILS						EC-1
REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	2
1			3			
2			4			



VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : <u>LUCY GRINDSTAFF</u>	DATE : <u>11/2025</u>
CHECKED BY : <u>J.R. HOPSON, PE</u>	DATE : <u>11/2025</u>
DESIGN ENGINEER OF RECORD: _____	DATE : _____

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

DF18313.201192.PR
 PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
 STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

EROSION CONTROL
SOIL STABILIZATION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	EC-2 TOTAL SHEETS
1			3			2
2			4			



VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : <u>LUCY GRINDSTAFF</u>	DATE : <u>11/2025</u>
CHECKED BY : <u>J.R. HOPSON, PE</u>	DATE : <u>11/2025</u>
DESIGN ENGINEER OF RECORD: _____	DATE : _____

CONTRACT: DM00496 BRIDGE PROJECT: DF18313.2011192.PR

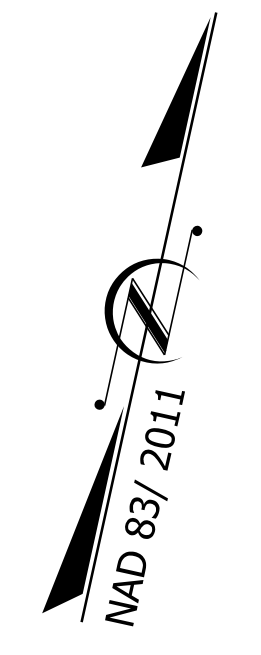
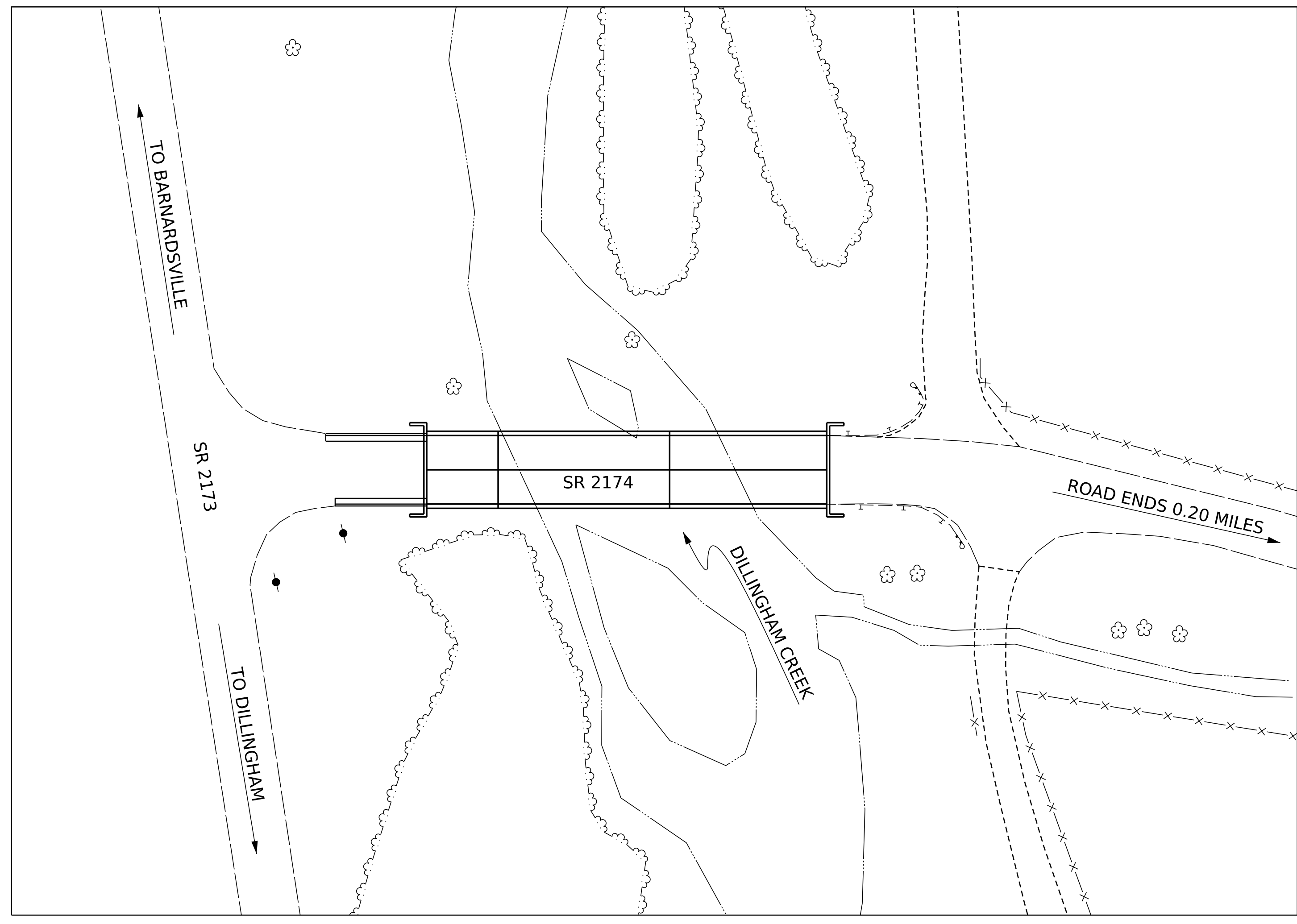
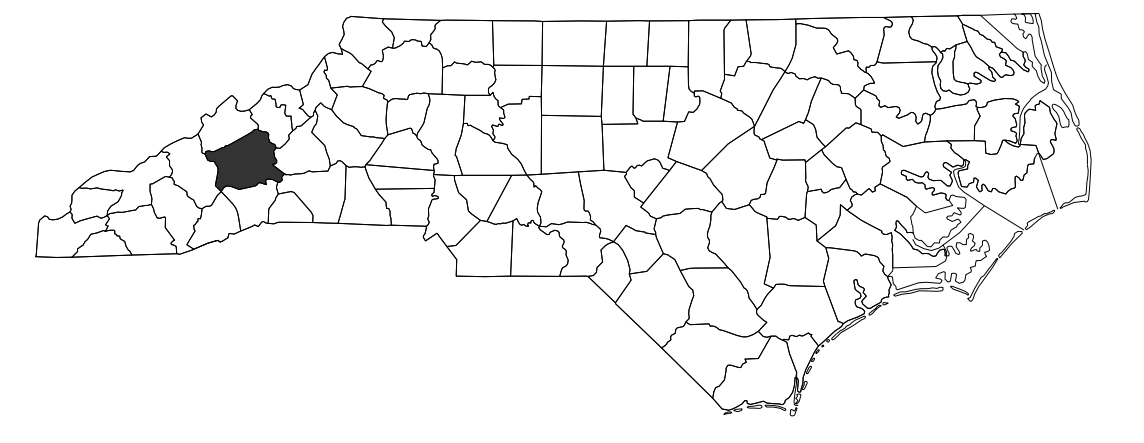
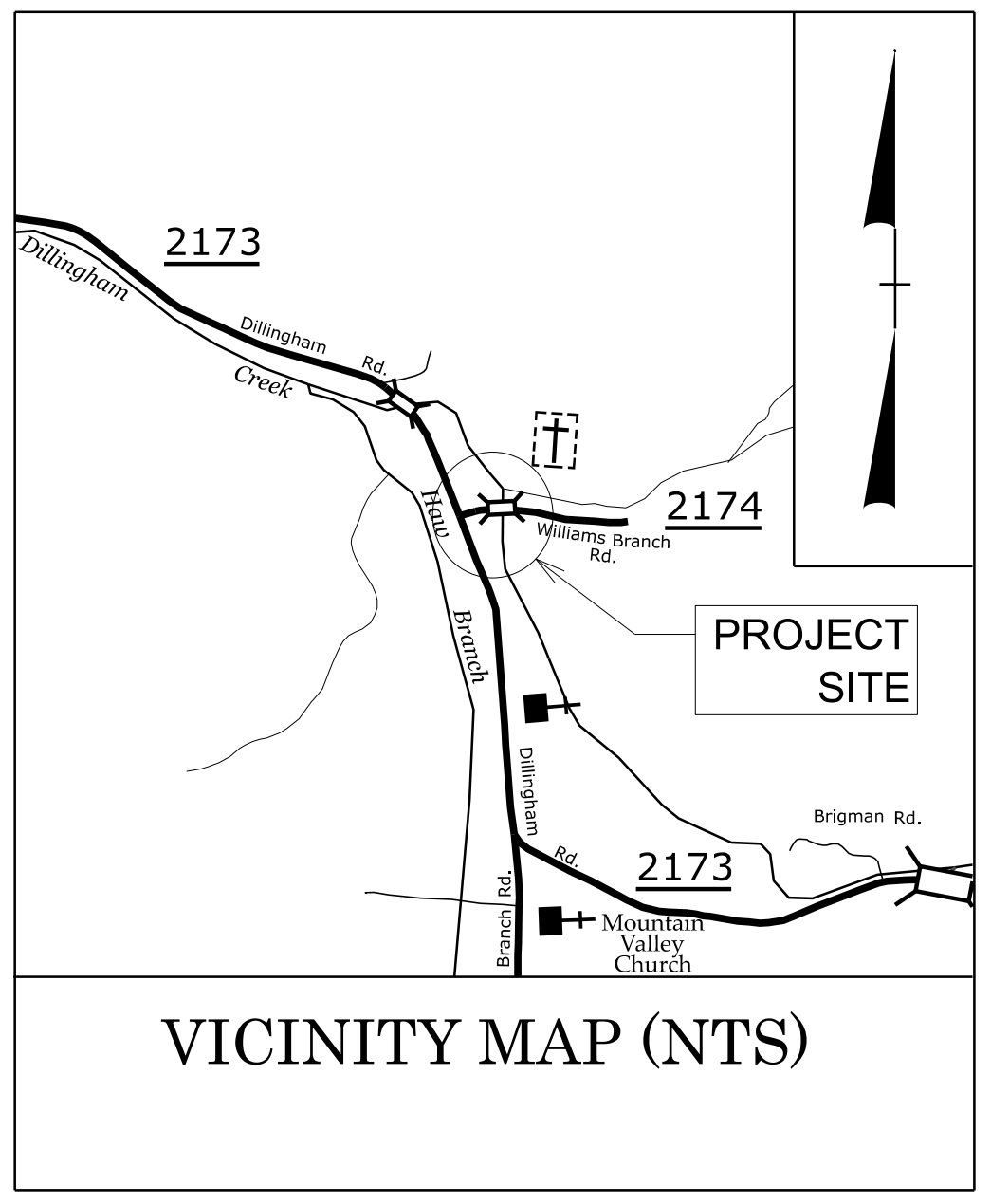
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

LOCATION: *REPAIR BRIDGE #100413 ON SR 2174
OVER DILLINGHAM CREEK*

TYPE OF WORK: *STRUCTURE REPAIRS*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2011192.PR		
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
DF18313.2011192.PR	N/A	CONSTRUCTION	




DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN DATA
ADT 2004 = <100
ADT 2040 = 180

V = <20 MPH
* TTST = DUAL
FUNC CLASS =
RURAL LOCAL

PROJECT LENGTH
PROJECT LENGTHS FOR BRIDGE PROJECT:
TOTAL LENGTH PROJECT = 0.027 MILES


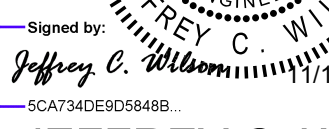
NCDOT Contact: JOEL M. DAVIS
Prepared in the Office of:  VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

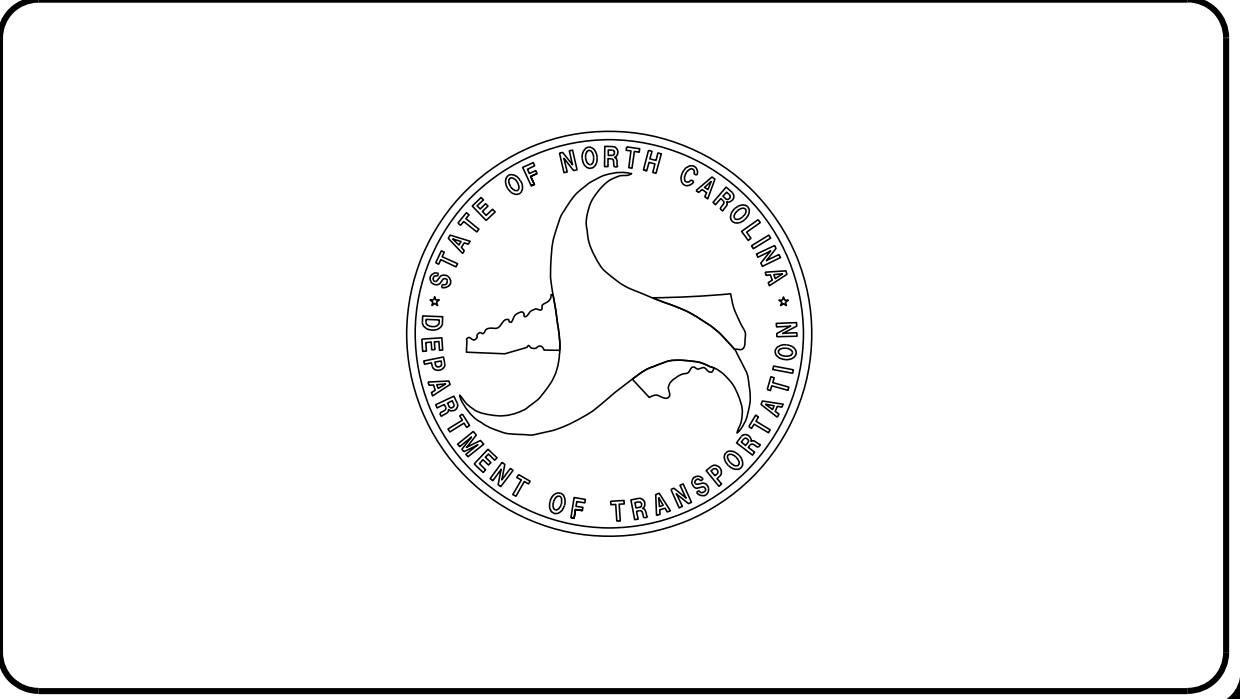
2024 STANDARD SPECIFICATIONS

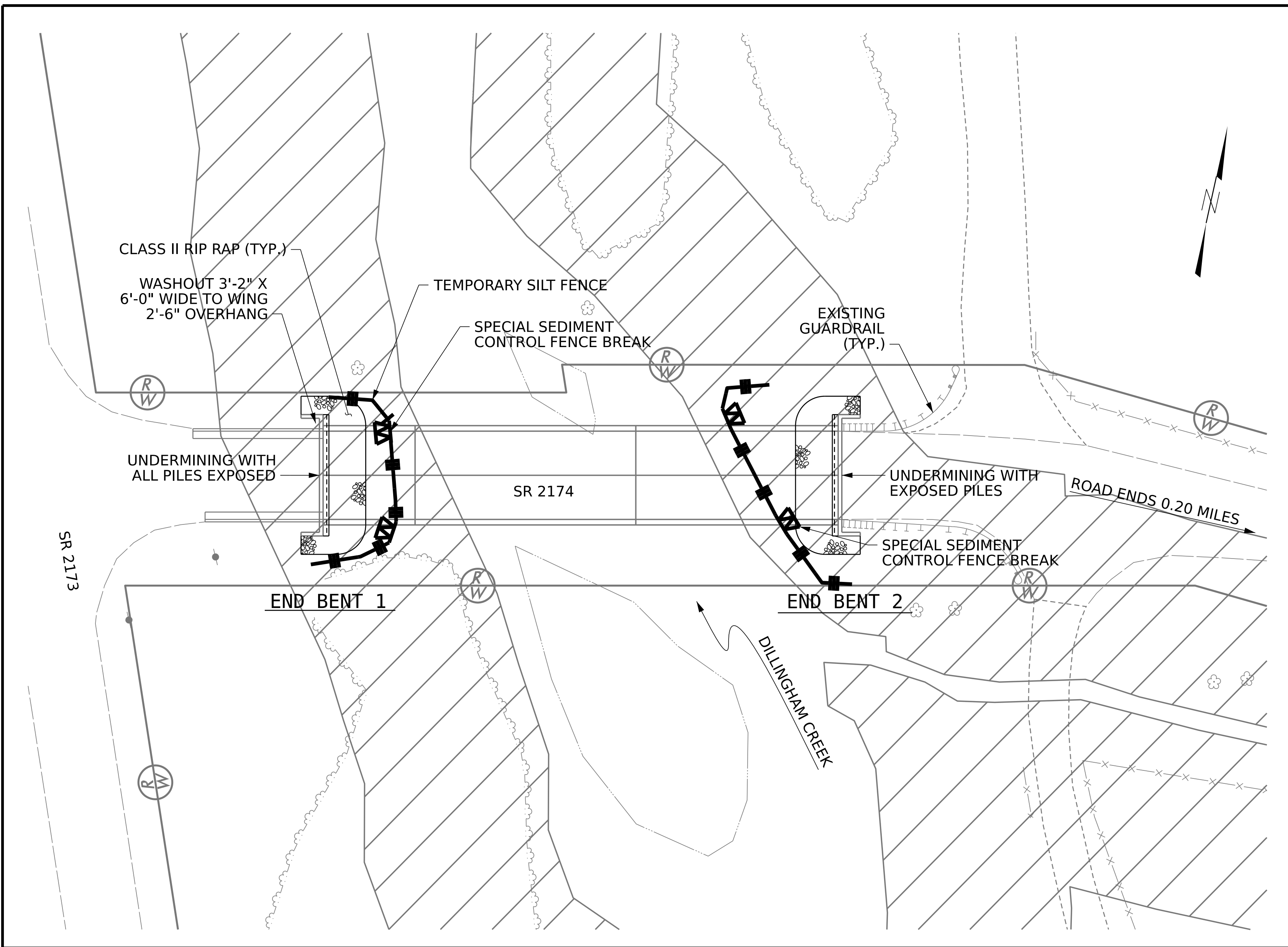
W. KEVIN FISCHER, PE
PROJECT ENGINEER

LETTING DATE:
DECEMBER 17, 2025

STRUCTURES ENGINEER


Signed by: 
JEFFREY C. WILSON, PE
SIGNATURE:





EROSION CONTROL SKETCH



 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

EC NOTES:
EROSION CONTROL SKETCH WAS NOT BASED ON ACTUAL SURVEY.
CONTRACTOR TO FIELD VERIFY PLACEMENT OF PROPOSED EROSION CONTROL DEVICES AND QUANTITIES REQUIRED FOR THIS PROJECT.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT
High Quality Water Zone(s) Exist From Sta. START OF PROJECT to Sta. END OF PROJECT Refer To E. C. Special Provisions for Special Considerations.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E. C. Special Provisions for Special Considerations.

Line Item	Sec No.	Description	Quantity	Unit
3656000000-E	876	GEOTEXTILE FOR DRAINAGE	95	SY
6000000000-E	1605	TEMPORARY SILT FENCE	135	LF
6006000000-E	1610	EROSION CONTROL STONE, CLASS A	35	TON
6012000000-E	1610	SEDIMENT CONTROL STONE	15	TON
6015000000-E	1615	TEMPORARY MULCHING	0.5	ACR
6018000000-E	1620	SEED FOR TEMPORARY SEEDING	100	LB
6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	0.5	TON
6024000000-E	1622	TEMPORARY SLOPE DRAINS	200	LF
6029000000-E	SP	SAFETY FENCE	260	LF
6036000000-E	1631	MATTING FOR EROSION CONTROL	6250	SY
6042000000-E	1632	1/4" HARDWARE CLOTH	75	LF
6084000000-E	1660	SEEDING AND MULCHING	0.5	ACR
6087000000-E	1660	MOWING	0.5	ACR
6090000000-E	1661	SEED FOR REPAIR SEEDING	50	LB
6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25	TON
6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50	LB
6108000000-E	1665	FERTILIZER TOPDRESSING	0.25	TON
6114500000-N	1667	SPECIALIZED HAND MOWING	10	MHR
6117000000-N	1675	RESPONSE FOR EROSION CONTROL	13	EA
6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	1	EA
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - PREFABRICATED CONCRETE WASHOUT	1	EA

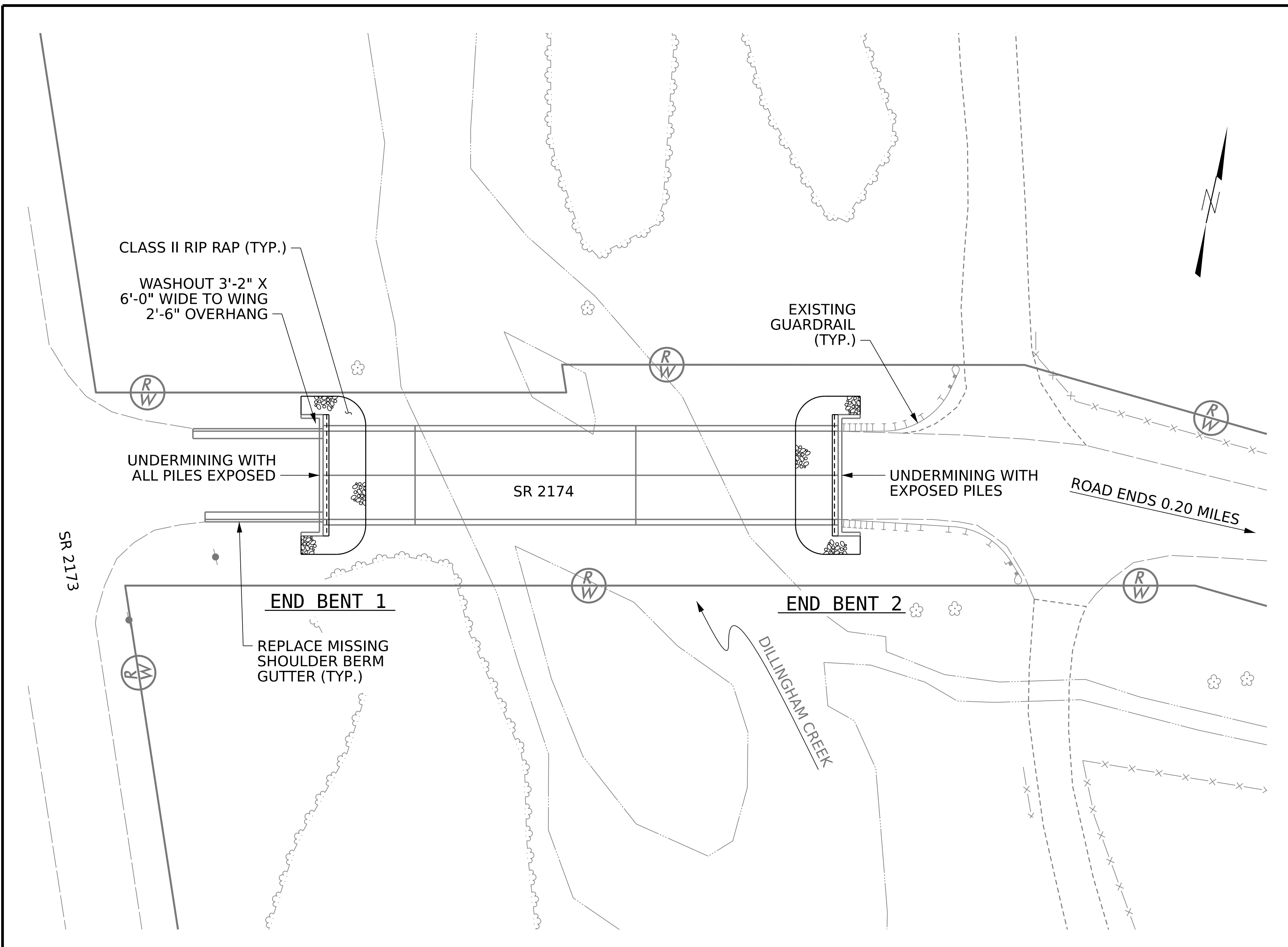
PROJECT NO. **DF18313.201192.PR**
BUNCOMBE COUNTY
STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
REPAIRS FOR BRIDGE 100413 ON SR 2147 OVER DILLINGHAM CREEK

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	EC1-1
1			3			TOTAL SHEETS
2			4			5


VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : LUCY GRINDSTAFF DATE : 11/2025
CHECKED BY : J.R. HOPSON, PE DATE : 11/2025
DESIGN ENGINEER OF RECORD: _____ DATE : _____



LOCATION SKETCH



SCOPE OF WORK

- UTILIZE NATIVE MATERIALS ONSITE AT EACH END BENT TO FILL AND RECONSTRUCT THE SLOPE PROTECTION ALONG THE FACE OF THE END BENTS
- REMOVE AND RESET GUARDRAILS AS NECESSARY TO PERFORM WORK UNDER THE BRIDGE
- INSTALL FILTER FABRIC AND CLASS II RIP RAP AT EACH END BENT AS INDICATED ON THE PLANS
- GROUT RIP RAP IN PLACE USING FLOWABLE FILL
- INSTALL SHOLDER BERM GUTTER ON THE END BENT 1 SIDE
- FILL IN SCOUR HOLE AT NORTHWEST CORNER OF END BENT 1

Line Item	Sec No.	Description	Quantity	Unit
0000100000-N	800	MOBILIZATION	1	LS
0194000000-E	265	SELECT GRANULAR MATERIAL, CLASS III	2	CY
0248000000-N	SP	GRADING	1	LS
1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	1	Ton
1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	1	Ton
1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1	Ton
1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1	Ton
2275000000-E	SP	FLOWABLE FILL	25	CY
2556000000-E	846	SHOULDER BERM GUTTER	67	LF
3345000000-E	864	REMOVE & RESET GUARDRAIL	90	LF
8590000000-E	876	RIP RAP II (2'-0")	126	TON
8622000000-E	876	GEOTEXTILE FOR DRAINAGE	140	SY

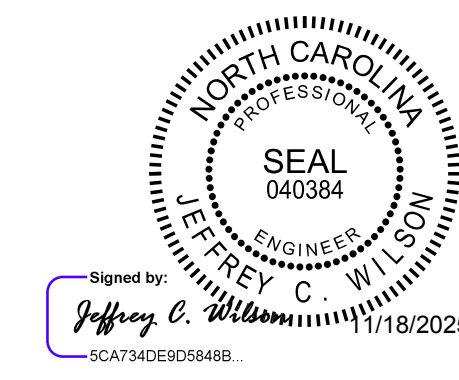
NOTE

EXISTING DIMENSIONS AND BRIDGE CONDITIONS ARE FROM BEST INFORMATION AVAILABLE; THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER; THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THAT SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PROJECT NO. **DF18313.201192.PR**
BUNCOMBE COUNTY
 STATION: _____



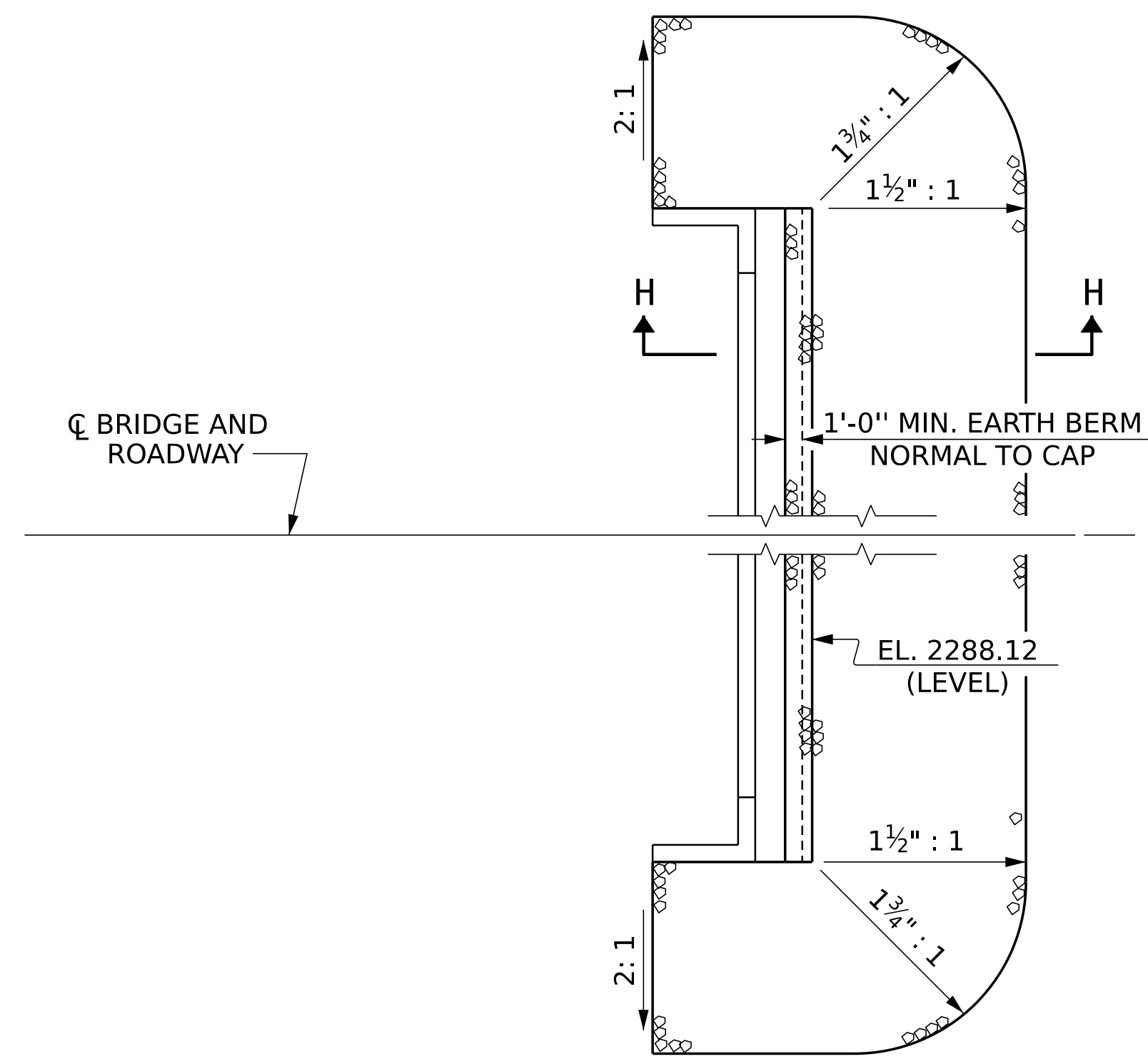
DRAWN BY : D.B. HINNANT	DATE : 11/2025
CHECKED BY : K. FISCHER	DATE : 11/2025
DESIGN ENGINEER OF RECORD: J.C. WILSON	DATE : 11/2025



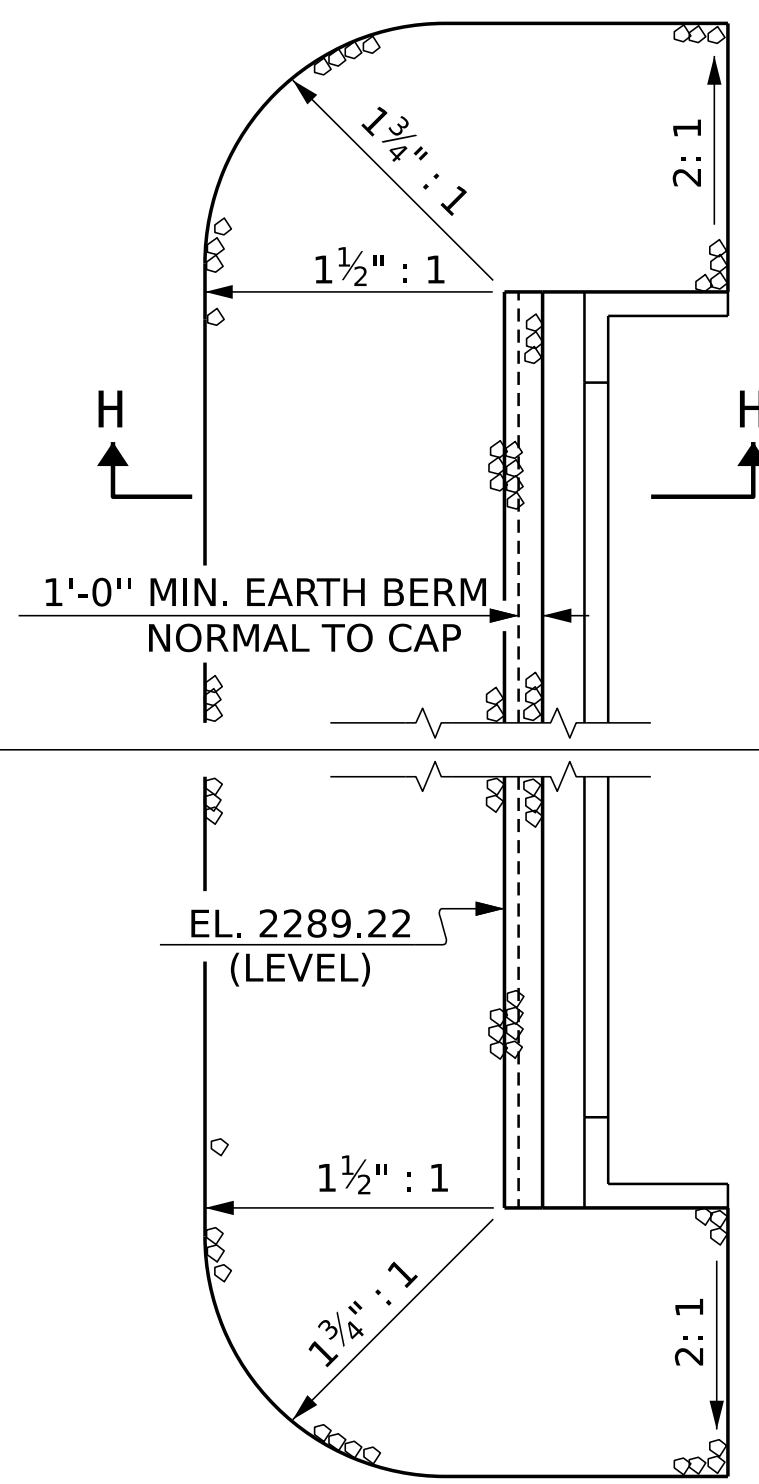
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**REPAIRS FOR BRIDGE
 100413 ON SR 2147
 OVER DILLINGHAM CREEK**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-1
1			3			TOTAL SHEETS
2			4			5



END BENT 1



END BENT 2

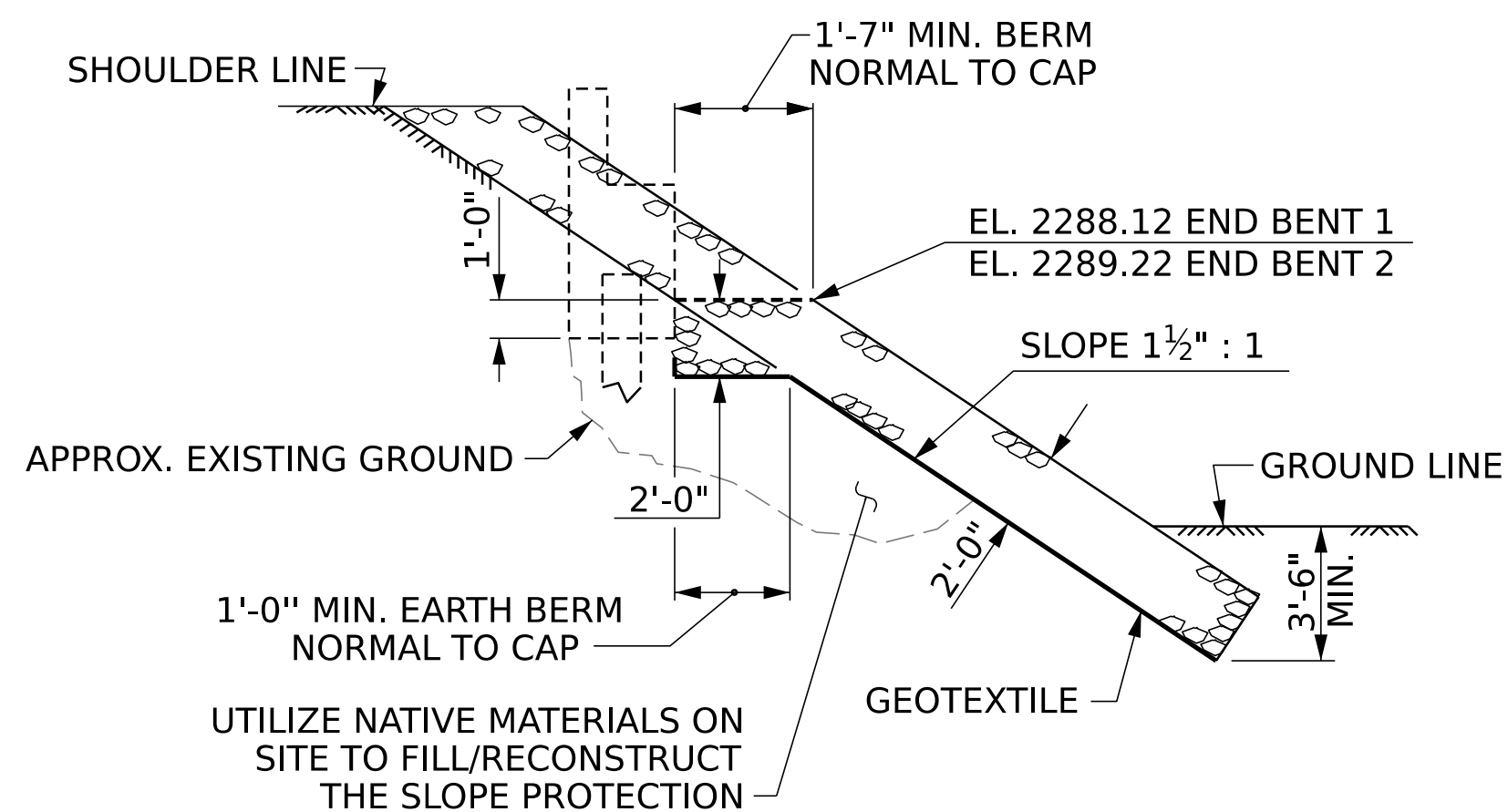
NOTES :

UTILIZE NATIVE MATERIAL ON SITE AT EACH END BENT TO FILL AND RECONSTRUCT THE SLOPE PROTECTION ALONG THE FACE OF THE END BENTS AND WINGS. PAYMENT FOR THE RECONSTRUCTION WILL BE MADE UNDER THE LUMP SUM GRADING PAY ITEM.

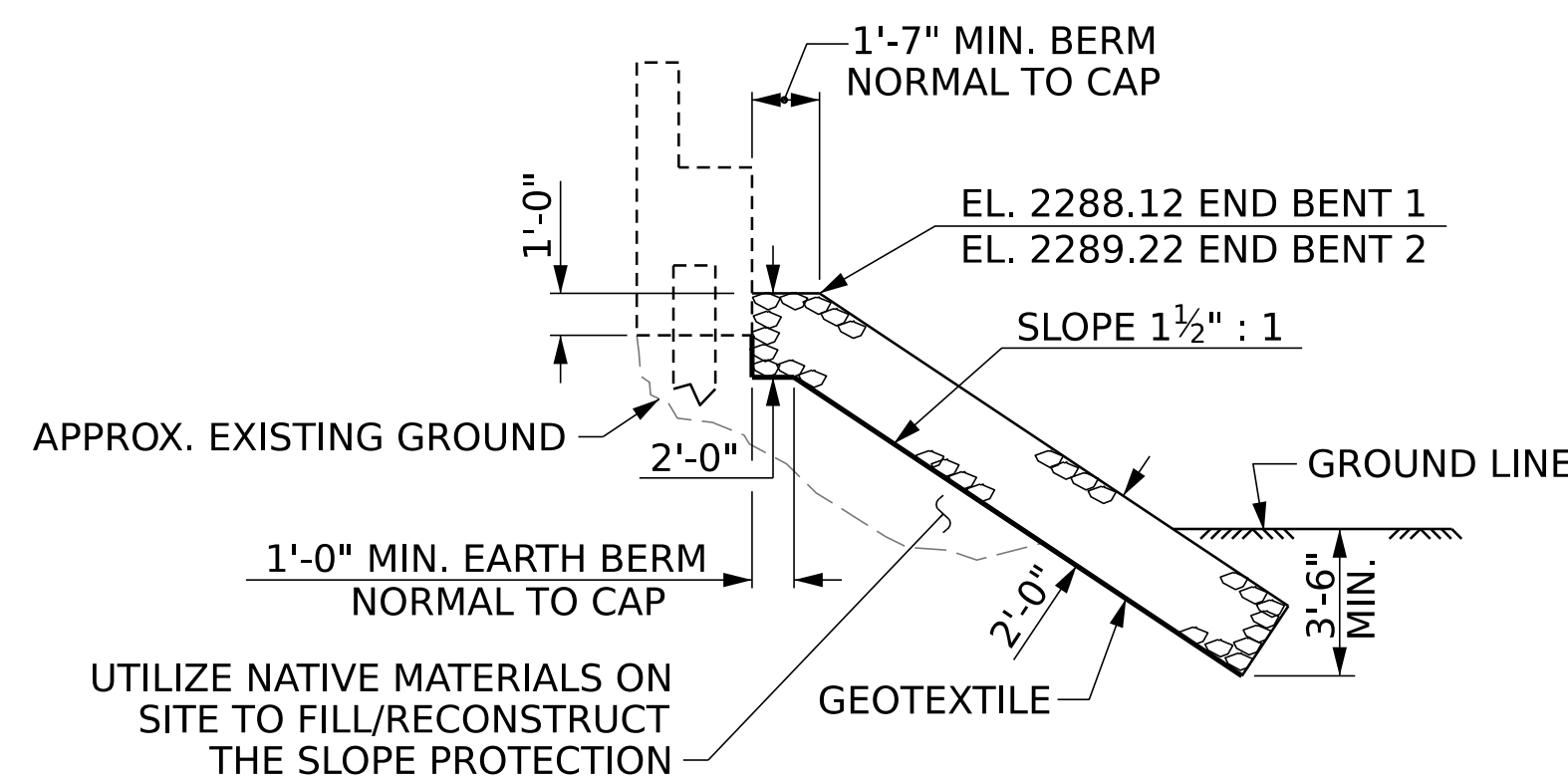
INSTALL GEOTEXTILE FABRIC AND RIP RAP AS INDICATED ON THE DETAILS.

AFTER RIP RAP HAS BEEN INSTALLED, GROUT THE RIP RAP IN PLACE USING FLOWABLE FILL.

ESTIMATED QUANTITIES		
	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE
	TONS	SQUARE YARDS
END BENT 1	63	70
END BENT 2	63	70



SECTION H-H



SECTION

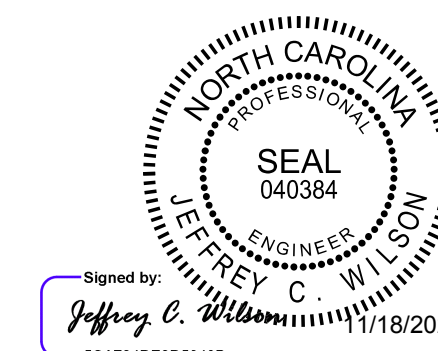
BERM RIP RAPPED

vhb
VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : D.B. HINNANT	DATE : 11/2025
CHECKED BY : K. FISCHER	DATE : 11/2025
DESIGN ENGINEER OF RECORD: J.C. WILSON	DATE : 11/2025
DRAWN BY : REK 1/84	REV. 10/1/11 MAA/GM
CHECKED BY : RDU 1/84	REV. 12/21/11 MAA/GM
	REV. 12/17 MAA/THC

11/18/2025
c:\bms\vhb-pw-01\d0273738\100413 Repair_03 RR.dgn
dhinnant

PROJECT NO. **DF18313.201192.PR**
BUNCOMBE COUNTY
STATION: _____

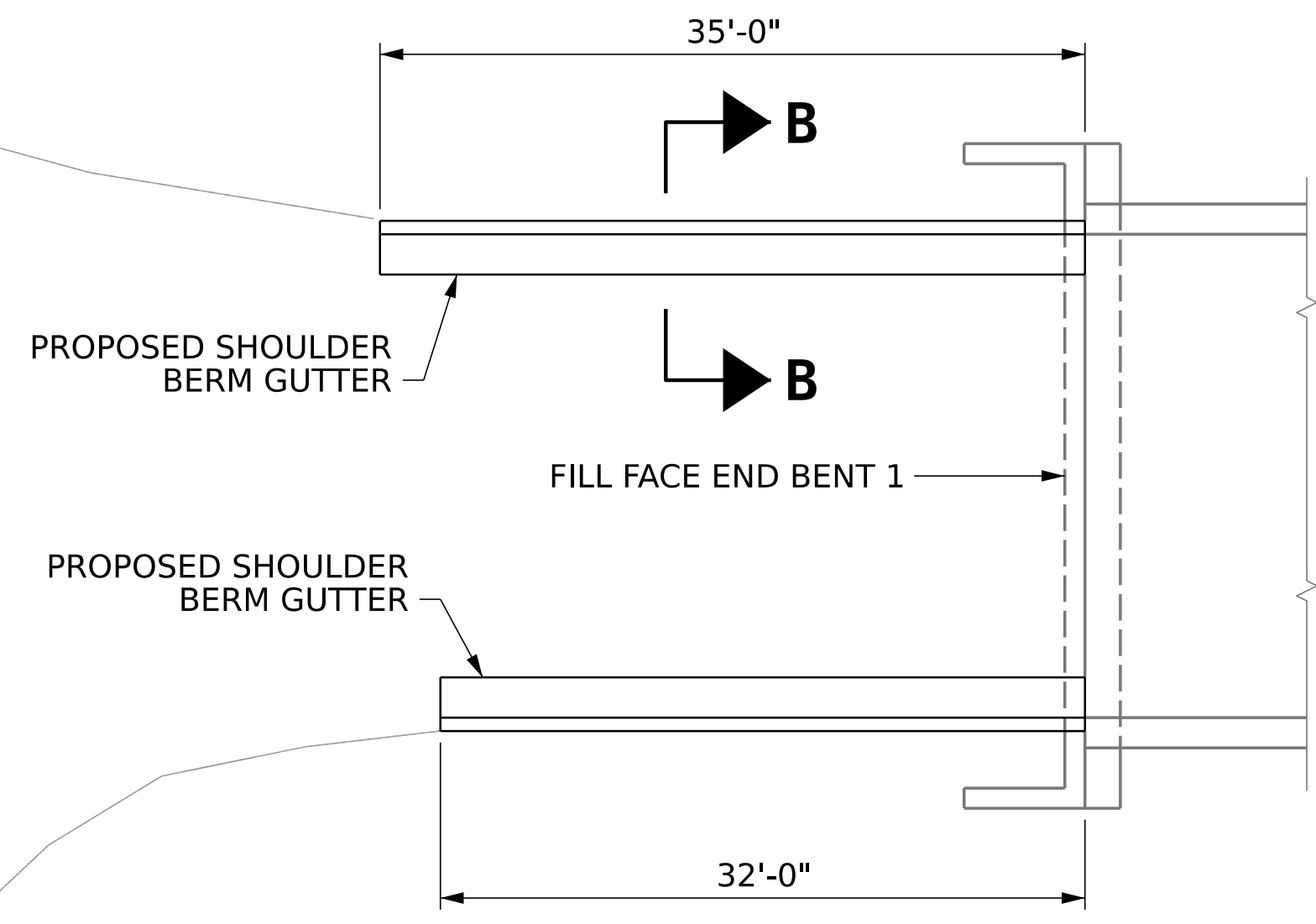


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
**REPAIRS FOR BRIDGE
100413 ON SR 2147
OVER DILLINGHAM CREEK**

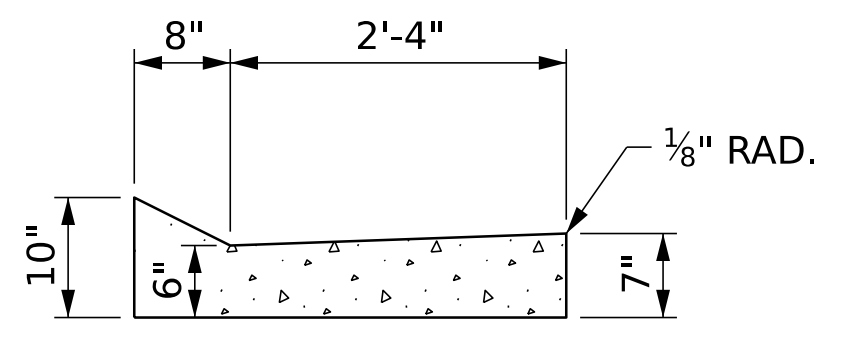
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S1-2
2			4			TOTAL SHEETS 5

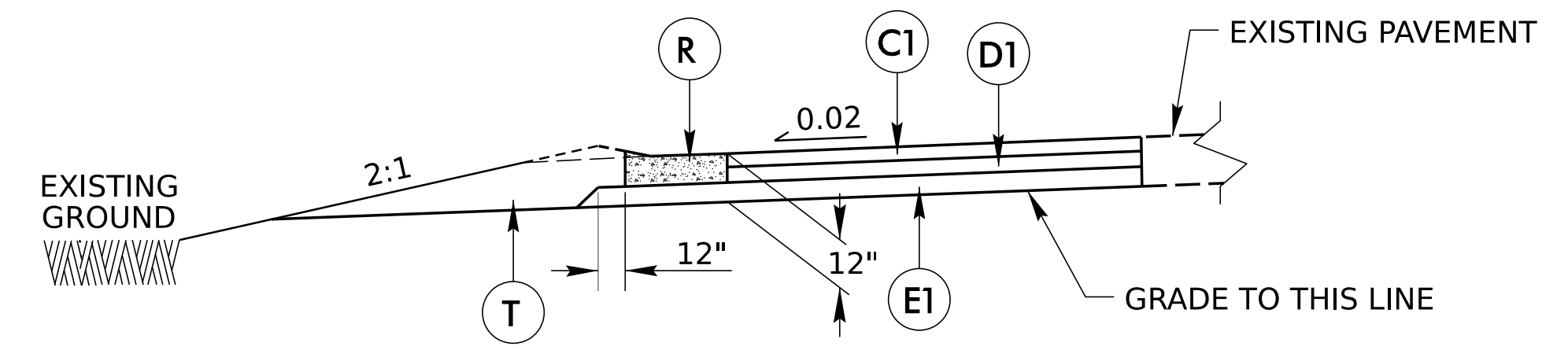
NOTE: COST OF REMOVAL OF EXISTING ASPHALT TO INSTALL SHOULDER BERM GUTTER IS INCLUDED IN THE SHOULDER BERM GUTTER PAY ITEM AND NO ADDITIONAL PAYMENT WILL BE MADE.



PLAN OF SHOULDER BERM GUTTER



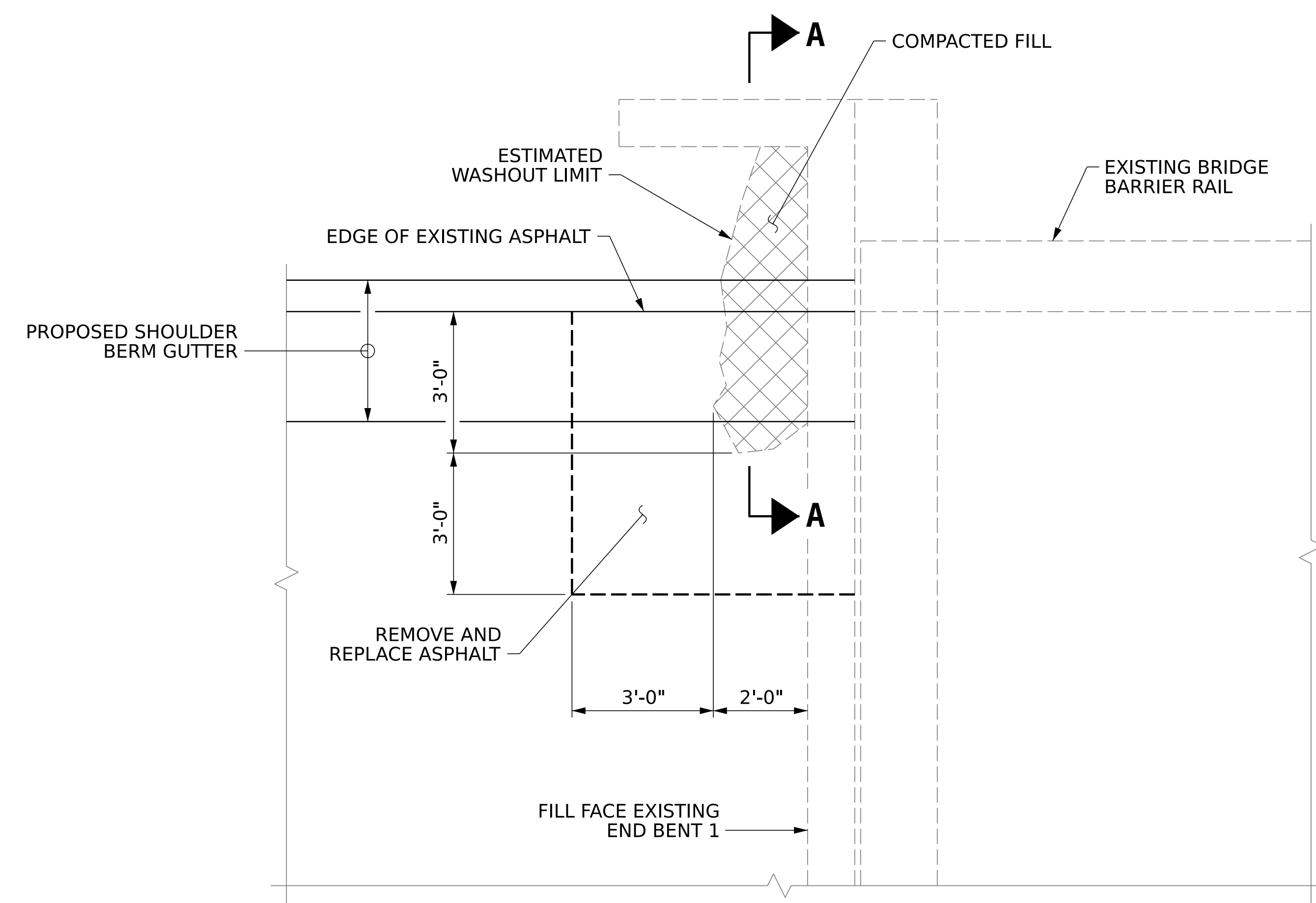
SECTION B-B



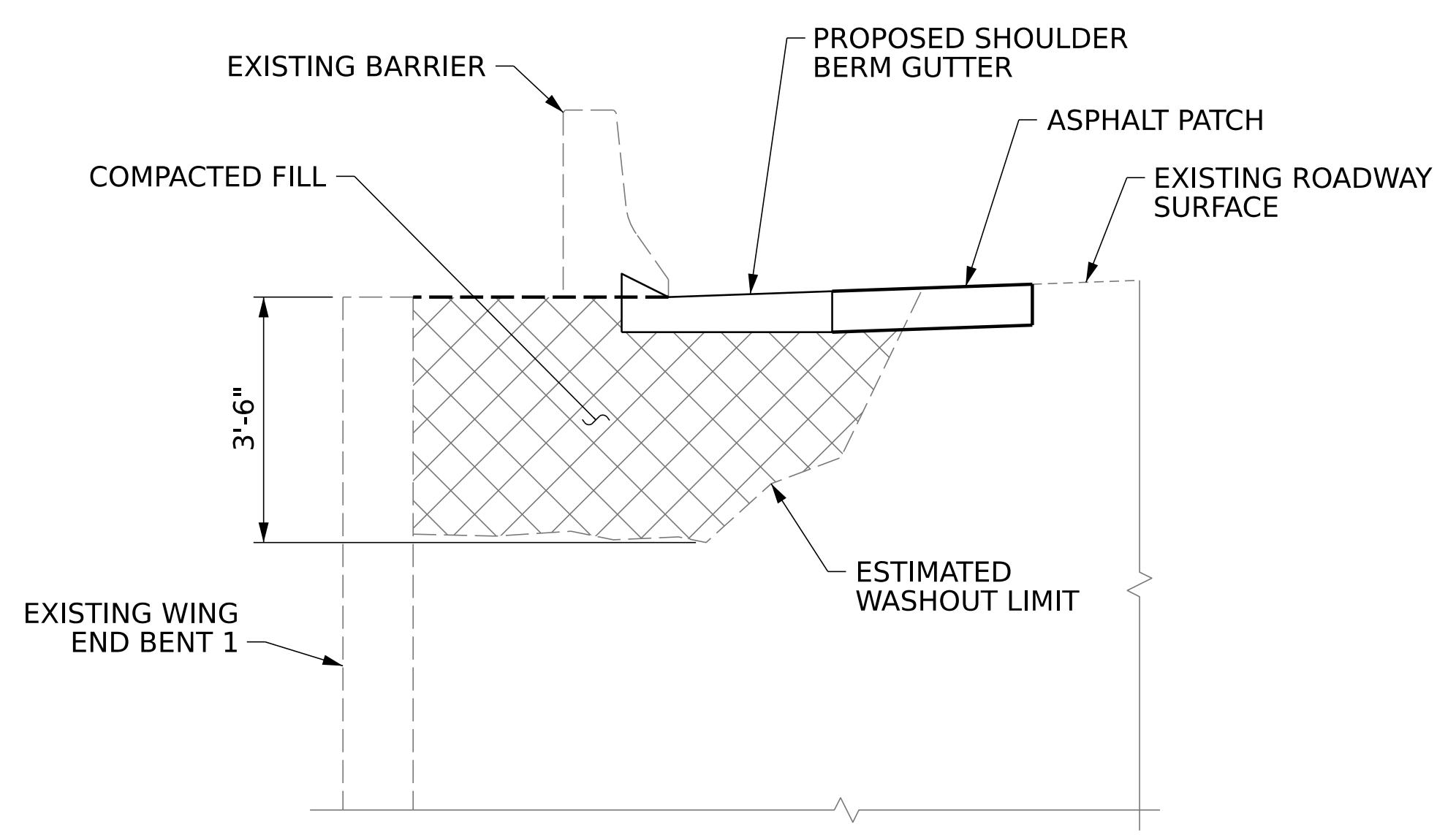
TYPICAL SECTION PAVEMENT
NOT TO SCALE

PAVEMENT SCHEDULE	
C1	3" S9.5C
D1	4" 19.0C,
E1	5" B25.0C,
R	SHOULDER BERM GUTTER
T	EARTH MATERIAL

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



PLAN OF WASHOUT AT END BENT 1



SECTION A-A

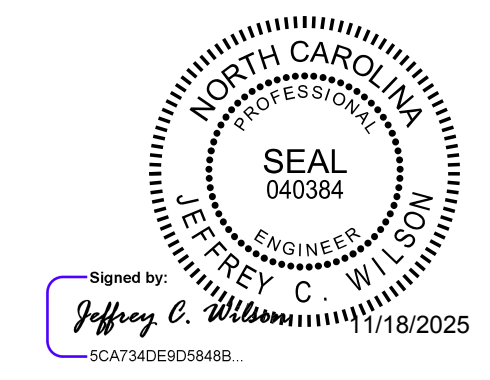
PROJECT NO. **DF18313.201192.PR**
BUNCOMBE COUNTY
STATION: _____



VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : D.B. HINNANT	DATE : 11/2025
CHECKED BY : K. FISCHER	DATE : 11/2025
DESIGN ENGINEER OF RECORD: J.C. WILSON	DATE : 11/2025

11/18/2025
c:\bms\vhb-pw-01\d0273738\100413 Repair_04 Details.dgn
dhinnant



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**REPAIRS FOR BRIDGE
100413 ON SR 2147
OVER DILLINGHAM CREEK**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S1-3
2			4			5

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)

PHASING

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

PHASE I

STEP 1 - USING RSD 1101.01, SHEET 3 OF 3, INSTALL ADVANCE WARNING SIGNS.

STEP 2 - USING USE RSD 1101.04, SHEET 1 OF 2 OR RSD 1101.02, SHEET 1 OF 19 AS NEEDED, CLOSE THE SHOULDER OR TRAVEL LANE TO COMPLETE THE REPAIRS.

STEP 3 - REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND MARKINGS AND OPEN ALL LANES TO TRAFFIC.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- E) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- F) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- G) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- I) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- M) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- O) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

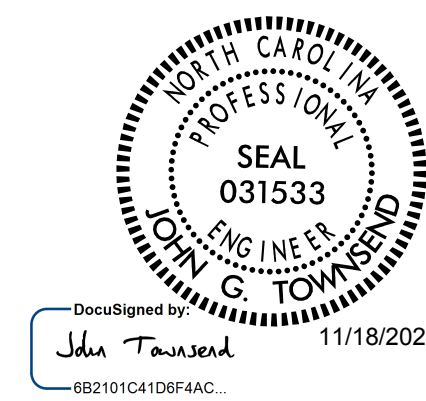
- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

Pay Item No.	Sec No.	Description	Quantity	Unit
4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	48	SF
4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	112	SF
4430000000-N	1130	DRUMS	50	EA
4455000000-N	1150	FLAGGER	10	DAY



DRAWN BY : <u>J. TOWNSEND</u>	DATE : <u>11/2025</u>
CHECKED BY : <u>K. FISCHER</u>	DATE : <u>11/2025</u>
DESIGN ENGINEER OF RECORD: <u>J. TOWNSEND</u>	DATE : <u>11/2025</u>

PROJECT NO. **DF18313.201192.PR**
BUNCOMBE COUNTY
 STATION: _____



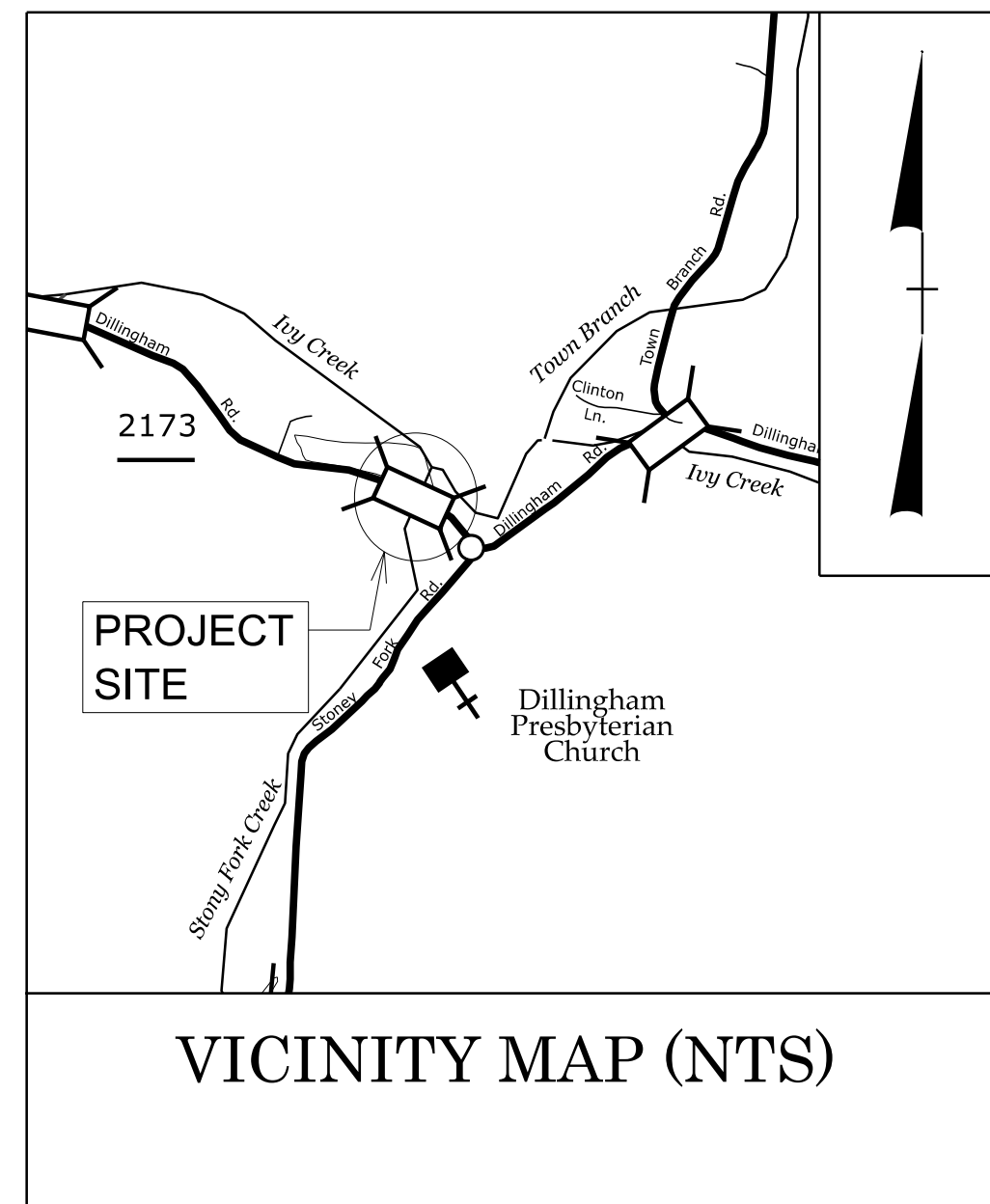
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

REPAIRS FOR BRIDGE 100413 ON SR 2147 OVER DILLINGHAM CREEK

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT: DM00496 BRIDGE PROJECT: DF18313.2011359.PR



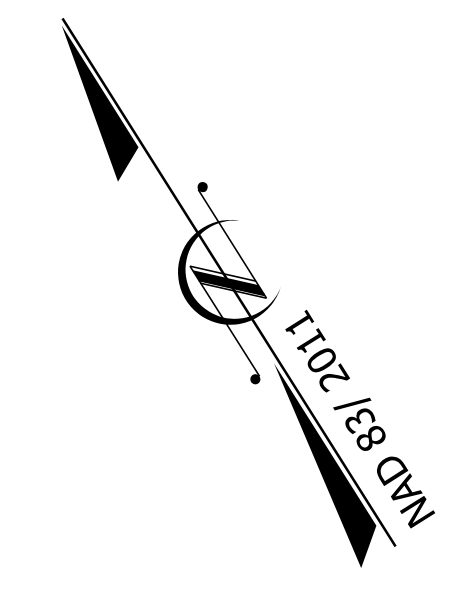
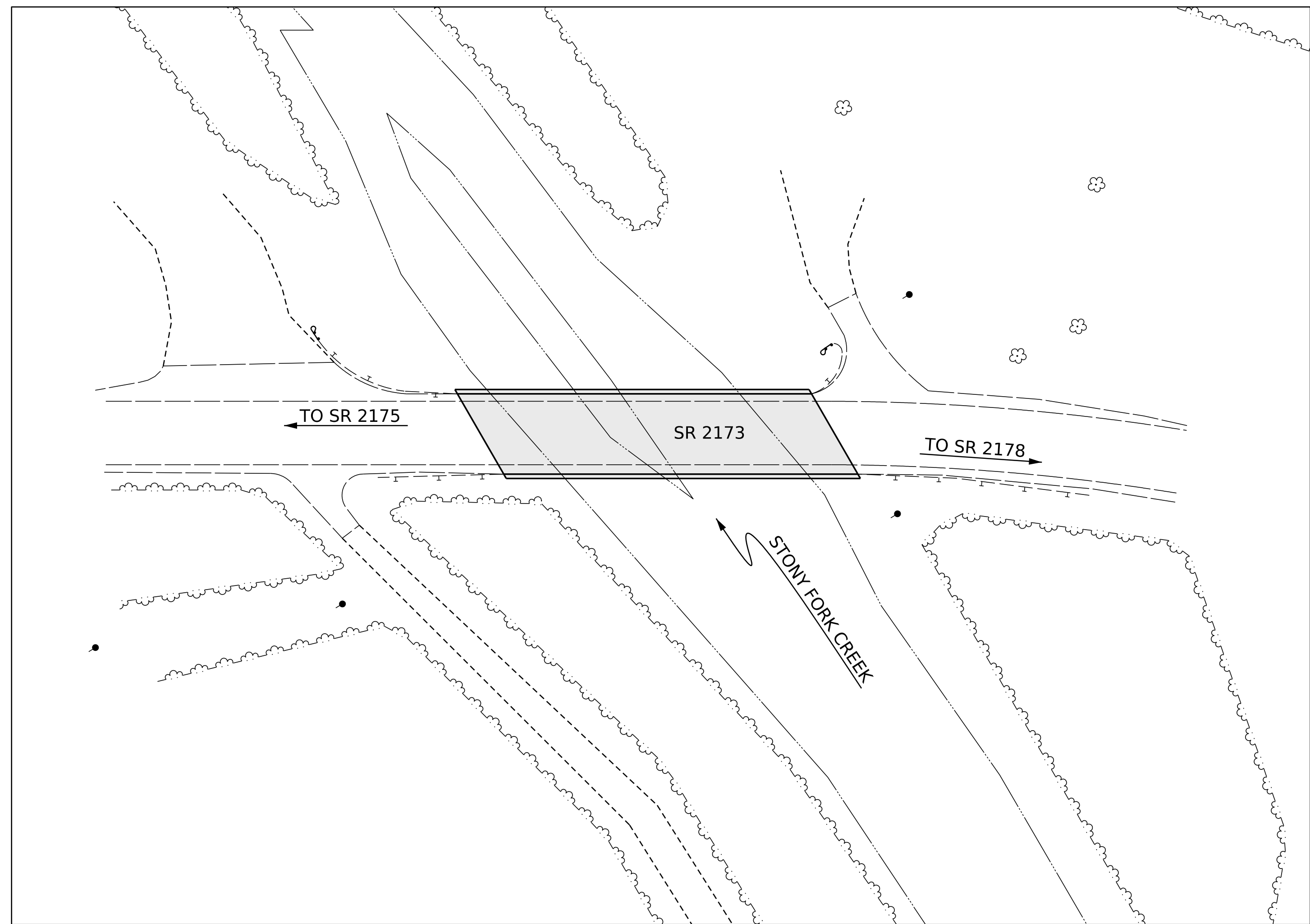
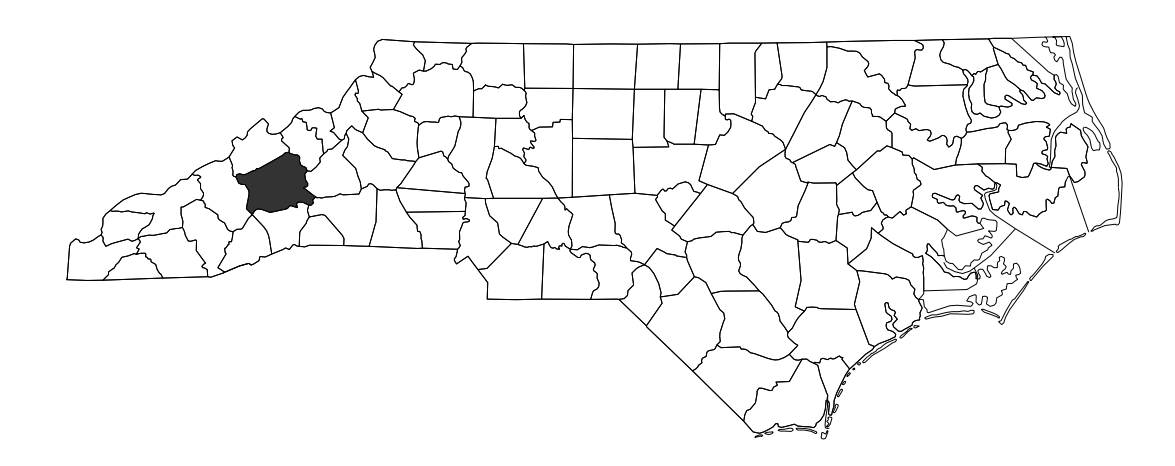
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

LOCATION: *REPAIR BRIDGE #100146 ON SR 2173
OVER STONY FORK CREEK*

TYPE OF WORK: *STRUCTURE REPAIRS*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2011359.PR		
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
DF18313.2011359.PR	N/A	CONSTRUCTION	




DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN DATA
ADT 2021 = 1100
ADT 2040 = 2000

V = 45 MPH
* TTST = DUAL
FUNC CLASS =
RURAL
MINOR COLLECTOR

PROJECT LENGTH
PROJECT LENGTHS FOR BRIDGE PROJECT:
TOTAL LENGTH PROJECT = 0.023 MILES



NCDOT Contact: JOEL M. DAVIS
Prepared in the Office of:  VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

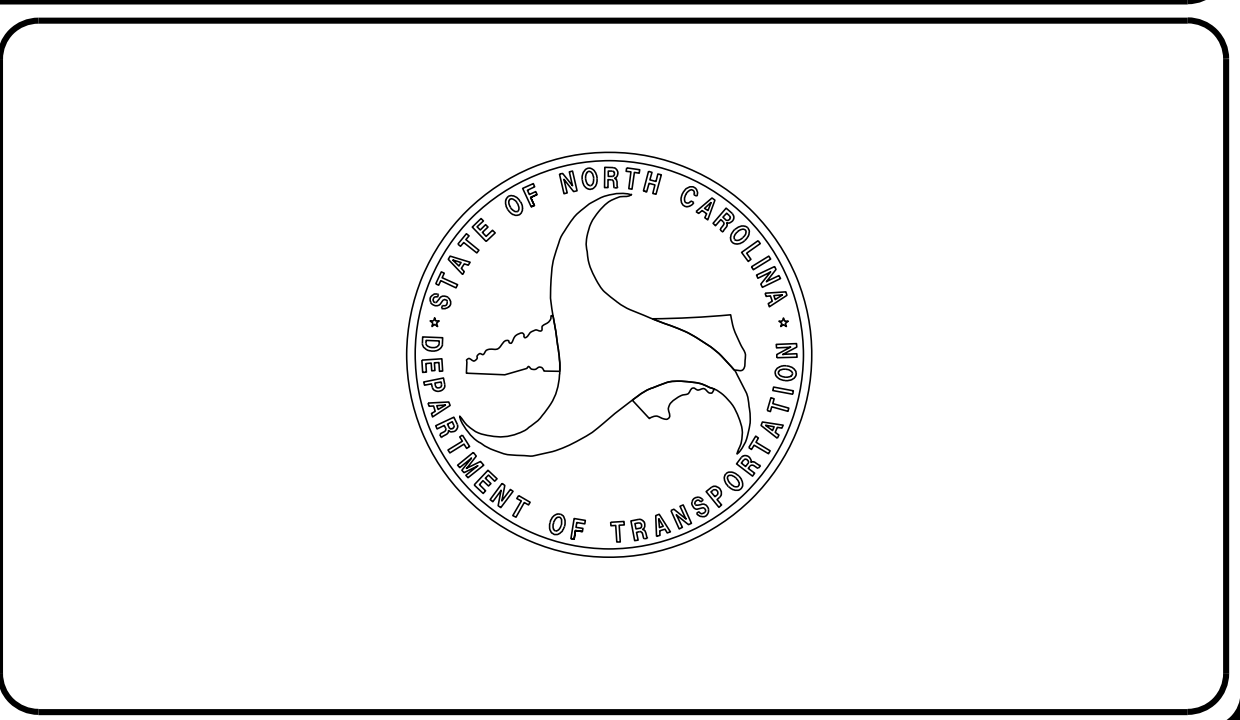
2024 STANDARD SPECIFICATIONS

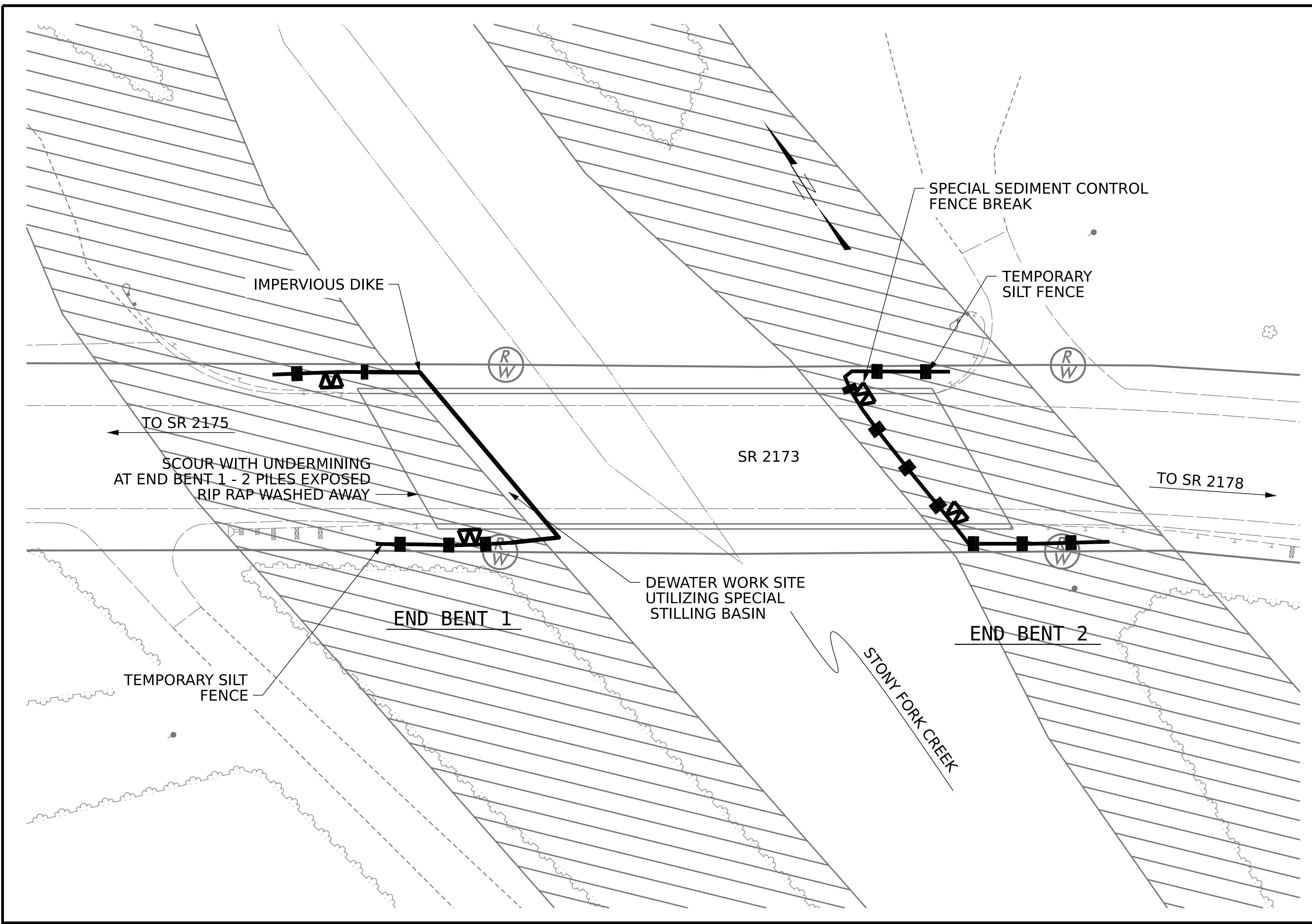
W. KEVIN FISCHER, PE
PROJECT ENGINEER

LETTING DATE:
DECEMBER 17, 2025

STRUCTURES ENGINEER


Signed by:  1/18/2025
SCA734DE05848B
JEFFREY C. WILSON, PE
SIGNATURE:





EROSION CONTROL SKETCH



 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

EC NOTES:
EROSION CONTROL SKETCH WAS NOT BASED ON ACTUAL SURVEY.
CONTRACTOR TO FIELD VERIFY PLACEMENT OF PROPOSED EROSION CONTROL DEVICES AND QUANTITIES REQUIRED FOR THIS PROJECT.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT
High Quality Water Zone(s) Exist From Sta. START OF PROJECT to Sta. END OF PROJECT Refer To E.C. Special Provisions for Special Considerations.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E.C. Special Provisions for Special Considerations.

Line Item	Sec No.	Description	Quantity	Unit
3656000000-E	876	GEOTEXTILE FOR DRAINAGE	95	SY
6000000000-E	1605	TEMPORARY SILT FENCE	170	LF
6006000000-E	1610	EROSION CONTROL STONE, CLASS A	35	TON
6012000000-E	1610	SEDIMENT CONTROL STONE	15	TON
6015000000-E	1615	TEMPORARY MULCHING	0.5	ACR
6018000000-E	1620	SEED FOR TEMPORARY SEEDING	100	LB
6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	0.5	TON
6024000000-E	1622	TEMPORARY SLOPE DRAINS	200	LF
6029000000-E	SP	SAFETY FENCE	260	LF
6036000000-E	1631	MATting FOR EROSION CONTROL	6250	SY
6042000000-E	1632	1/4" HARDWARE CLOTH	75	LF
6070000000-N	1639	SPECIAL STILLING BASINS	1	EA
6084000000-E	1660	SEEDING AND MULCHING	0.5	ACR
6087000000-E	1660	MOWING	0.5	ACR
6090000000-E	1661	SEED FOR REPAIR SEEDING	50	LB
6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25	TON
6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50	LB
6108000000-E	1665	FERTILIZER TOPDRESSING	0.25	TON
6111000000-E	SP	IMPERVIOUS DIKE	68	LF
6114500000-N	1667	SPECIALIZED HAND MOWING	10	MHR
6117000000-N	1675	RESPONSE FOR EROSION CONTROL	13	EA
6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	1	EA
6132000000-N	SP	GENERIC EROSION CONTROL ITEM - PREFABRICATED CONCRETE WASHOUT	1	EA

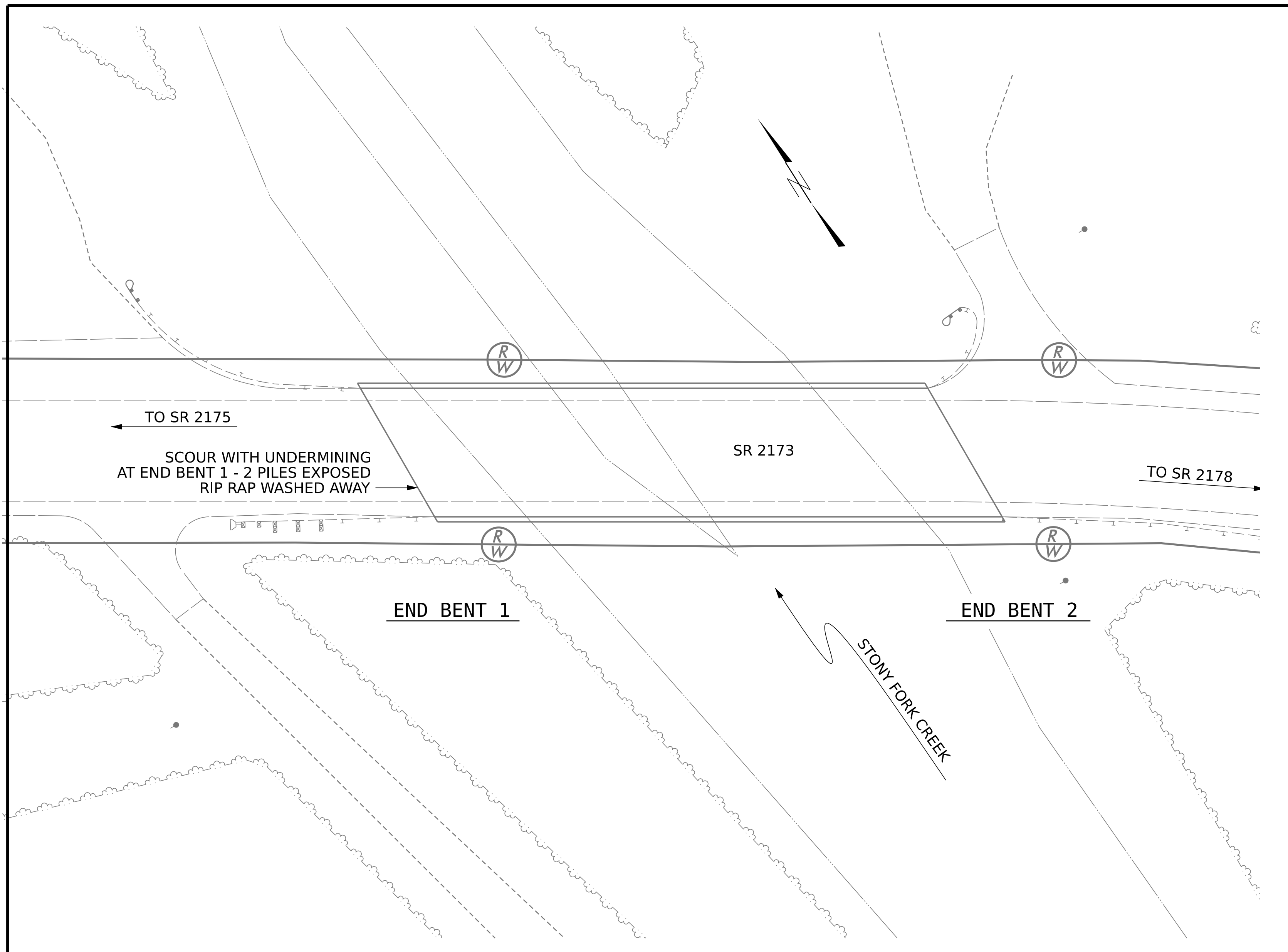
PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
STATION: _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
REPAIRS FOR BRIDGE 100146 ON SR 2173 OVER STONY FORK CREEK BETWEEN SR 2175 AND SR 2178

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	EC2-1
1			3			TOTAL SHEETS
2			4			5


VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DRAWN BY : LUCY GRINDSTAFF DATE : 11/2025
CHECKED BY : J.R. HOPSON, PE DATE : 11/2025
DESIGN ENGINEER OF RECORD: _____ DATE : _____



LOCATION SKETCH



SCOPE OF WORK

- INSTALL PILE ENCAPSULATION AT END BENT 1.
- REPLACE MISSING RIP RAP AT END BENT.

NOTE

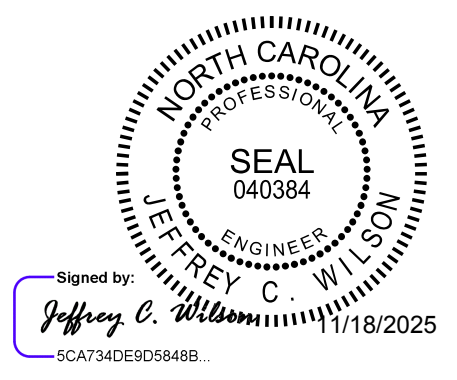
EXISTING DIMENSIONS AND BRIDGE CONDITIONS ARE FROM BEST INFORMATION AVAILABLE; THE CONTRACTOR SHALL FIELD VERIFY THE INFORMATION SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF ACTUAL DIMENSIONS AND CONDITIONS DIFFER; THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THAT SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

Line Item	Sec No.	Description	Quantity	Unit
0000100000-N	800	MOBILIZATION	1	LS
0248000000-N	SP	GRADING	1	LS
8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATON	1	LS
8182000000-E	420	CLASS A CONCRETE (BRIDGE)	7	CY
8217000000-E	425	REINFORCING STEEL (BRIDGE)	264	LB
8590000000-E	876	RIP RAP II (2'-0")	120	TON
8622000000-E	876	GEOTEXTILE FOR DRAINAGE	135	SY

PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
 STATION: _____



VHB Engineering NC, P.C. (C-3705)
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 Raleigh, NC 27606

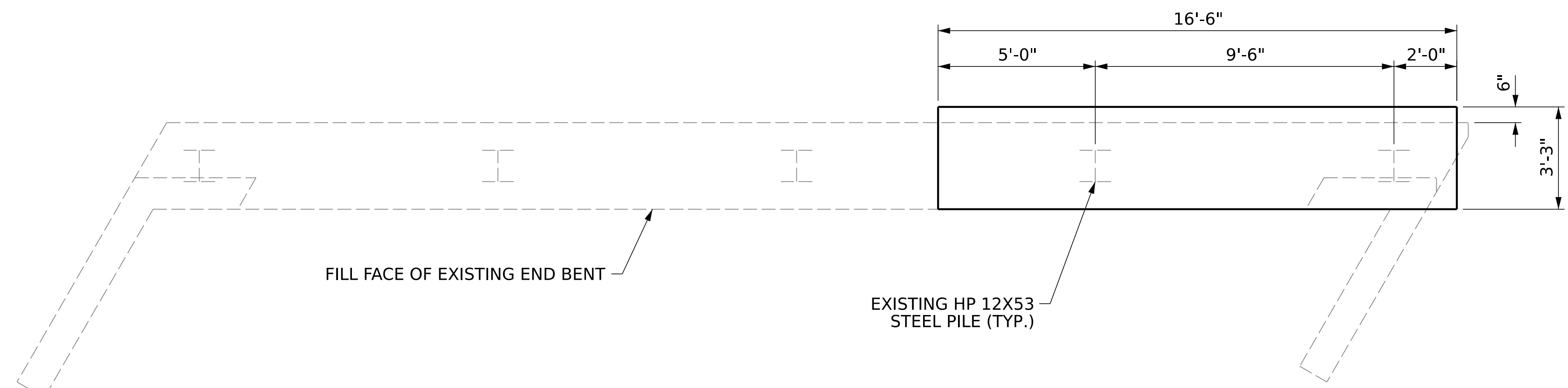


STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**REPAIRS FOR BRIDGE
 100146 ON SR 2173
 OVER STONY FORK CREEK
 BETWEEN SR 2175 AND
 SR 2178**

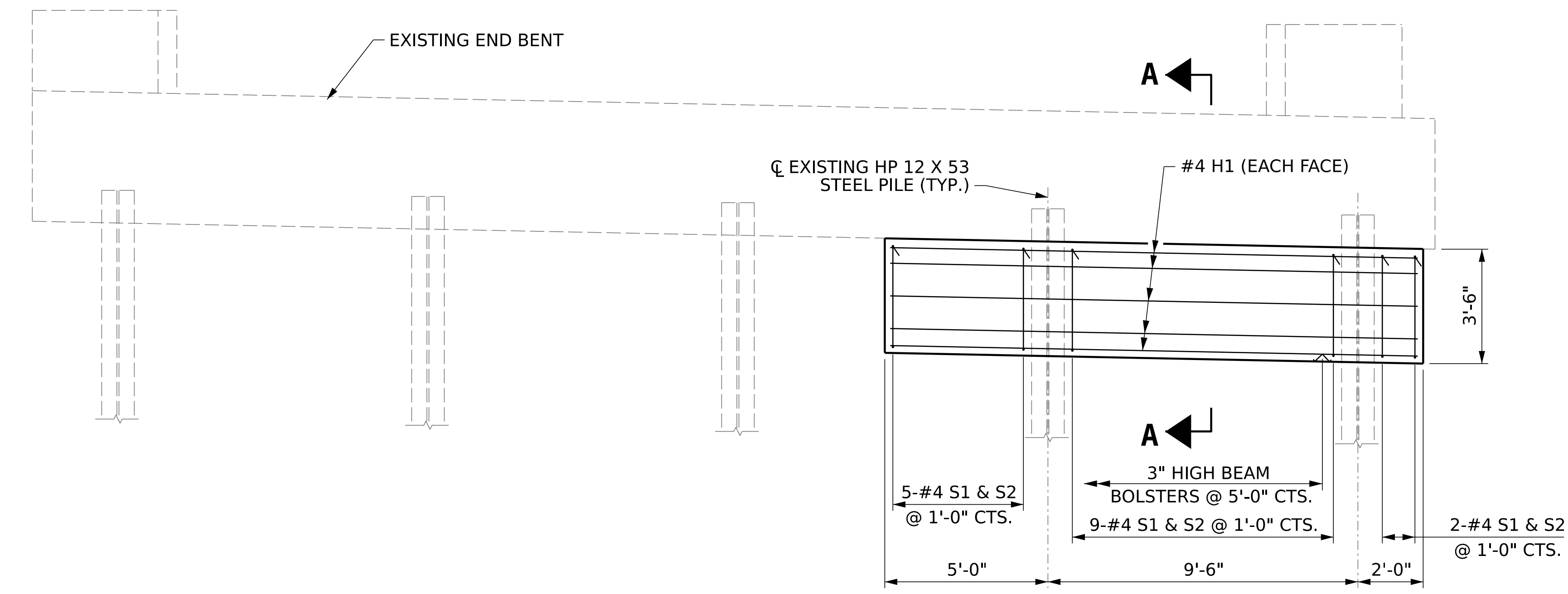
DRAWN BY : D.B. HINNANT	DATE : 11/2025
CHECKED BY : K. FISCHER	DATE : 11/2025
DESIGN ENGINEER OF RECORD: J.C. WILSON	DATE : 11/2025

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 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S2-1
2			4			5



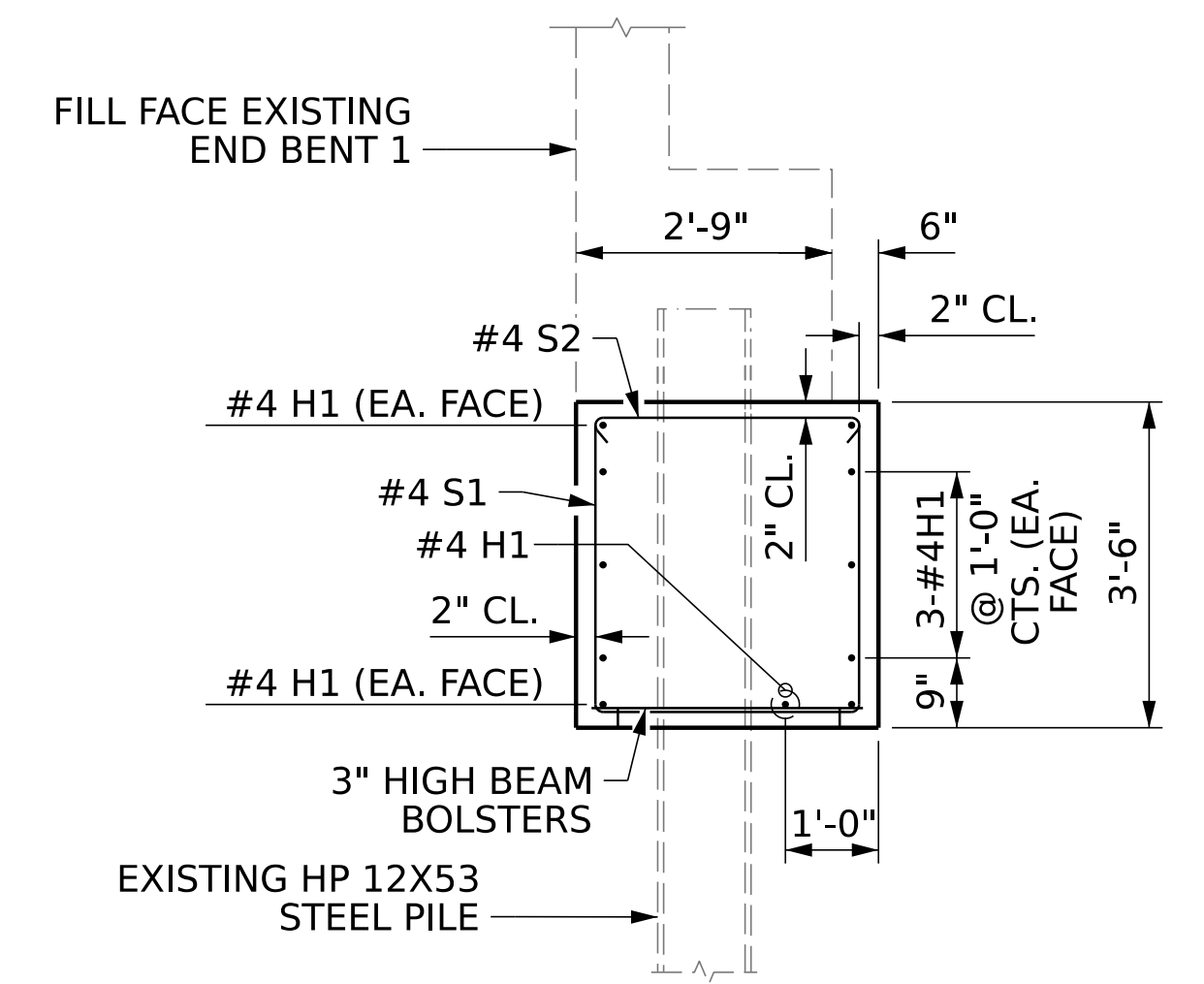
END BENT 1 - PLAN



END BENT 1 - ELEVATION
WINGS NOT SHOWN FOR CLARITY

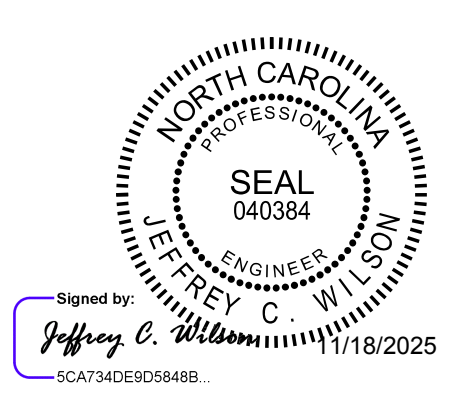
BAR TYPES		BILL OF MATERIAL				
<p>①</p>		END BENT 1				
<p>②</p>		BAR NO	SIZE	TYPE	LENGTH	WEIGHT
		H1	#4	STR	16' - 2"	119
		S1	#4	1	9' - 11"	106
		S2	#4	2	3' - 8"	39
REINFORCING STEEL					LBS.	264
CLASS A CONCRETE					C.Y.	7.0

ALL BAR DIMENSIONS ARE OUT TO OUT



SECTION A-A

PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
STATION: _____



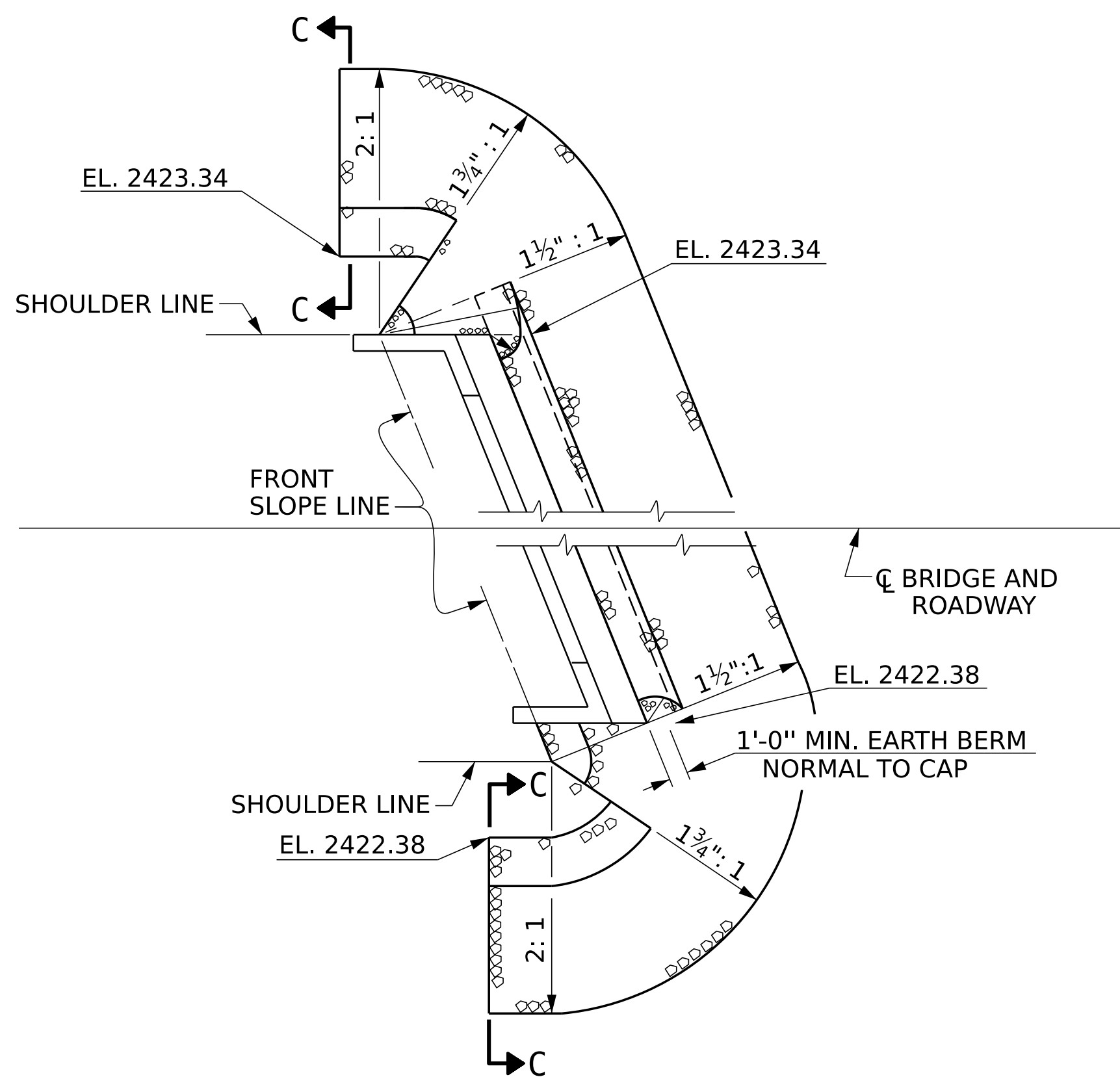
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
**REPAIRS FOR BRIDGE
100146 ON SR 2173
OVER STONY FORK CREEK
BETWEEN SR 2175 AND
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vhb
VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

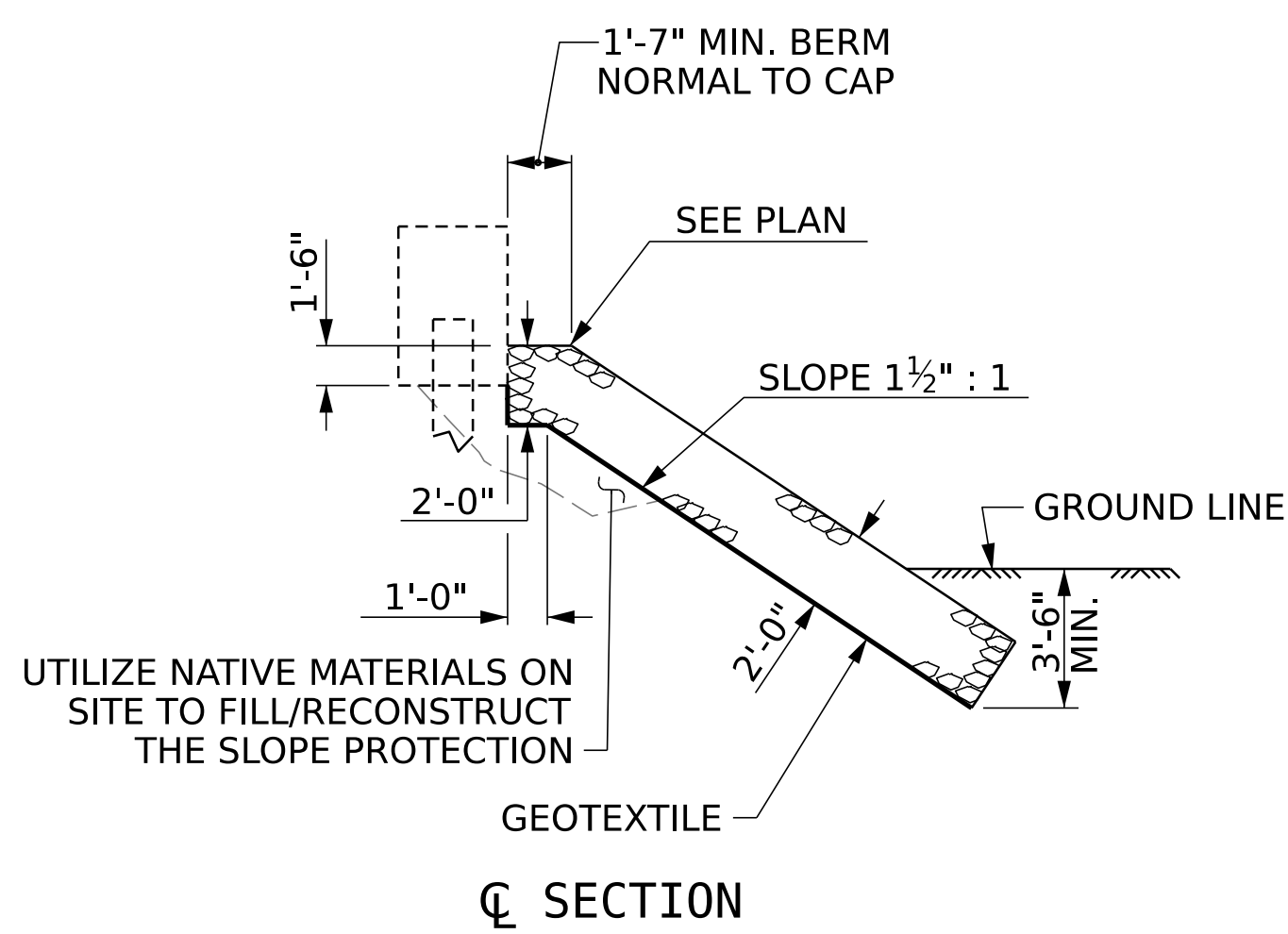
DRAWN BY : D.B. HINNANT	DATE : 11/2025
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DESIGN ENGINEER OF RECORD: J.C. WILSON	DATE : 11/2025

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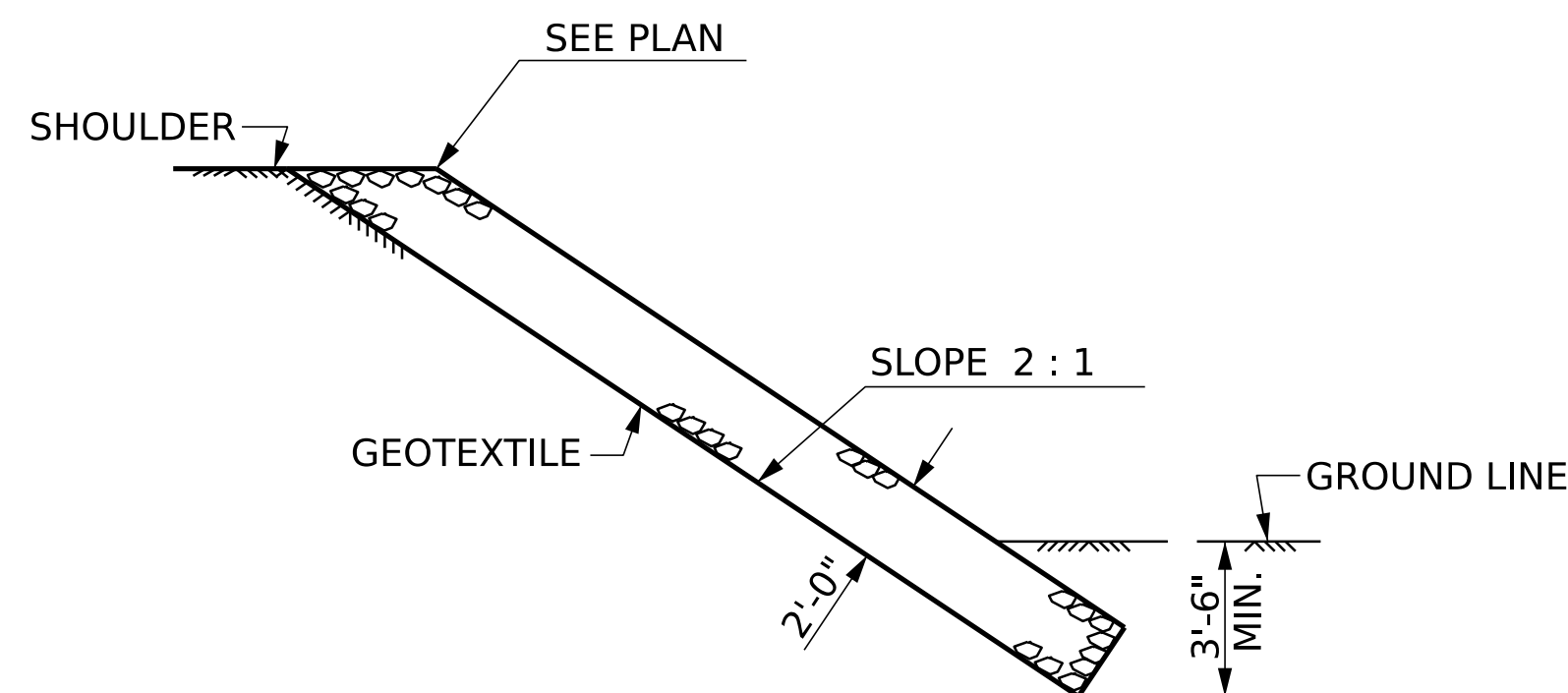
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-2
1			3			TOTAL SHEETS
2			4			5



PLAN - END BENT 1



SECTION C-C



SECTION C-C

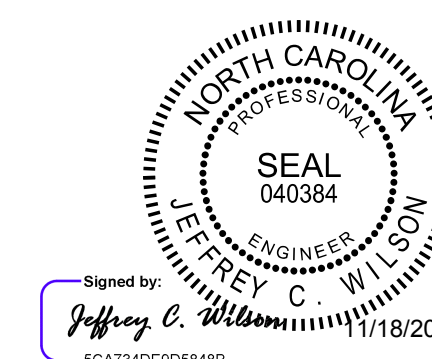
NOTES :

UTILIZE NATIVE MATERIAL ON SITE AT END BENT 1 TO FILL AND RECONSTRUCT THE SLOPE PROTECTION ALONG THE FACE OF THE END BENT AND WINGS. PAYMENT FOR THE RECONSTRUCTION WILL BE MADE UNDER THE LUMP SUM GRADING PAY ITEM.

INSTALL GEOTEXTILE FABRIC AND RIP RAP AS INDICATED ON THE DETAILS.

ESTIMATED QUANTITIES		
	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE
	TONS	SQUARE YARDS
END BENT 1	120	135

PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
 STATION: _____



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**REPAIRS FOR BRIDGE
 100146 ON SR 2173
 OVER STONY FORK CREEK
 BETWEEN SR 2175 AND
 SR 2178**



VHB Engineering NC, P.C. (C-3705)
 940 Main Campus Drive, Suite 500
 Raleigh, NC 27606

DRAWN BY : D.B. HINNANT	DATE : 11/2025
CHECKED BY : K. FISCHER	DATE : 11/2025
DESIGN ENGINEER OF RECORD : J.C. WILSON	DATE : 11/2025
DRAWN BY : REK 1/84	REV. 10/1/11 MAA/GM
CHECKED BY : RDU 1/84	REV. 12/21/11 MAA/GM
	REV. 12/17 MAA/THC

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 FINAL UNLESS ALL
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5
2			4			

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

RECOMMENDED STRATEGIES:

TRAFFIC MANAGEMENT STRATEGIES:

- LANE SHIFTS OR CLOSURES
- SHOULDER CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)

PHASING

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

PHASE I

STEP 1 - USING RSD 1101.01, SHEET 3 OF 3, INSTALL ADVANCE WARNING SIGNS.

STEP 2 - USING USE RSD 1101.04, SHEET 1 OF 2 OR RSD 1101.02, SHEET 1 OF 19 AS NEEDED, CLOSE THE SHOULDER OR TRAVEL LANE TO COMPLETE THE REPAIRS.

STEP 3 - REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND MARKINGS AND OPEN ALL LANES TO TRAFFIC.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

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LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- E) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- F) USE SEQUENTIAL FLASHING WARNING LIGHTS ON DRUMS USED FOR THE MERGING TAPERS OF NIGHTTIME LANE CLOSURES IN ACCORDANCE WITH SECTION 1140 IN THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- G) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

PAVEMENT EDGE DROP OFF REQUIREMENTS

H) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- I) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- J) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- M) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADIUS, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- O) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	NONE

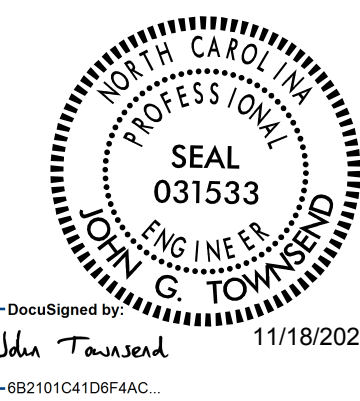
- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

Pay Item No.	Sec No.	Description	Quantity	Unit
4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	48	SF
4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	112	SF
4430000000-N	1130	DRUMS	50	EA
4455000000-N	1150	FLAGGER	10	DAY



DRAWN BY : J. TOWNSEND DATE : 11/2025
 CHECKED BY : K. FISCHER DATE : 11/2025
 DESIGN ENGINEER OF RECORD: J. TOWNSEND DATE : 11/2025

PROJECT NO. **DF18313.2011359.PR**
BUNCOMBE COUNTY
 STATION: _____



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**REPAIRS FOR BRIDGE
 100146 ON SR 2173
 OVER STONY FORK CREEK
 BETWEEN SR 2175 AND
 SR 2178**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TC2-1 TOTAL SHEETS
1			3			5
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED